



## PRODUCT CATALOGUE

PP-R, PP-R CT pipe and fittings

## CATALOG DE PRODUSE

Tevi și fittinguri din PP-R, PP-R CT

[WWW.SUPRATHERM.COM](http://WWW.SUPRATHERM.COM)

SupraTherm is a brand made by one of the professional manufacturer, specialized in producing plastic pipeline for water supply system, which locates in Romania Ilfov Bucharest. Having more than 20 years' experience in this field, we earned a high reputation among our customers in the world.

Our main products are: PP-R pipes and fittings, PP-R ball valves, PP-R stop valves, PP-R fiberglass composite pipe, PPR-AL-PPR composite pipe, PP-R stabile pipe with aluminum, etc.

Trough our existent investments and future strategy, we will continue our production activities in our spaces of aproximately 60000 m2 and we will always look forword for developing new partnerships, following to become a leader in this area of activity.

The quality of the products is certified by testing institutes, which are internationally certified. Some of this institutes are as follows: ISO 9001, ISO 14001, DVGW, SKZ, Gost-R , Gost-Ukr.

Supratherm este un brand realizat de unul dintre producatorii profesioniști specializați în producția de tevi și fittinguri din mase plastice localizată în Ilfov București, România. Produsele noastre sunt utilizate la alimentarea cu apă și în sisteme de canalizare din țară și de peste hotare.

Cu o experiență de peste 20 ani în acest domeniu ne-am câștigat o bună reputație printre clienții noștri din întreaga lume.

Produsele noastre principale sunt: tevi și fittinguri din PP-R și PP-RCT, teava compozită din PP-R și PP-RCT armată cu fibră de sticlă, fibră de carbon și bazalt, folie de aluminiu la interior și exterior, robineti cu bilă, robineti de trecere sau de capăt.

Prin investițiile existente și strategia de viitor pe care firma și le-a propus, se continuă și dezvoltă activitatea de producție în spațiile de proximativ 60000 m2 și se va pune accentul pe dezvoltarea unor noi parteneriate urmând ca brand-ul Supratherm să devină liderul în domeniu.

Calitatea produselor noastre este certificată de organisme de certificare cu tradiție în domeniu, firma detinând certificate conform SR EN ISO 9001; SR EN ISO 14001; DVGW, SKZ, Gost-R; Gost-Ukr.

### **Raw Material Control Process**

SupraTherm has a long experience in quality control for plastic products and raw materials. Due to the thorough knowledge of the production and packaging process , our laboratory offers a wide range of tests according to international standard and/or customer specifications.

### **Procesul de controlare a materiei prime**

SupraTherm are o experiență îndelungată în controlul calității pentru produse din plastic și materii prime. Datorită cunoștințelor aprofundate despre procesul de producție și ambalare, laboratorul oferă o gamă largă de teste conform standardului internațional și/sau specificațiilor clienților.



### **Guarantee Insurance**

SupraTherm brand contains a variety of products, from distributors to end users, ensuring the satisfaction of our customers, from distributors to end users, We offer our support and guarantee for the products in case of any malfunction.

### **Garanția asigurării**

Brand-ul Supratherm, conține o varietate de produse, asigurând satisfacția clienților noștri, de la distribuitori până la utilizatorii finali, oferind garanție în cazul vreunei defecțiuni.

### **Production Control**

Our control system is based on planing and cheking all aspects of production, cheking the quality of the material we use. An efficient quality system is crucial for the succes of the SupraTherm brand.

### **Controlul producției**

Sistemul de control SupraTherm se bazează pe verificarea și planificarea tuturor aspectelor privind producția, verificând calitatea materialelor folosite. Un sistem eficient de control al calitatii producției noastre este crucial pentru succesul SupraTherm.

### **Customer Satisfaction**

Understanding the needs of our customers has contributed to the succes of our brand. The positive feedback received from our clients helps us to mantain and strengthen the relationship we have with them.

### **Satisfactia clientului**

Înțelegerea nevoilor clienților noștri a contribuit la succesul brandului SupraTherm. Feedback-ul pozitiv primit de la clienții ne ajută să menținem și să consolidăm relația pe care o avem cu acestia.

### **Product Quality Control**

SupraTherm has always paid attention to the quality of the products and services offered to our customers. Over time, SupraTherm has developed an efficient quality control system, apllied with strict to continuously improve the quality of our products.

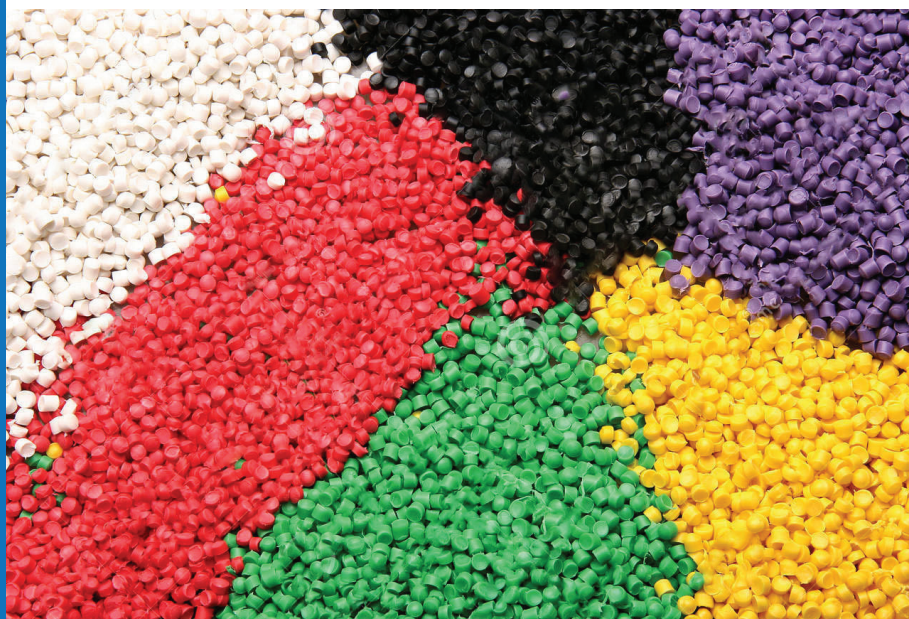
### **Controlul calității produselor**

Brand-ul SupraTherm a avut întotdeauna o grijă specială pentru calitatea produselor și serviciilor oferite, dar și de nevoile clienților noștri.

De-a lungul timpului SupraTherm a dezvoltat un sistem eficient de control al calitatii, pentru a îmbunătăți tot timpul calitatea produselor noastre.

# QUALITY





## Our material PP-R

Supratherm pipes and fittings are produced from polypropylene random copolymer, PP-R 80/ PP-R 100/PP-RCT 125/ Type 3/Type 4 as raw material having low melt flow rate, high molecular weight and good flexibility.

This raw material is recommended for the production of pressure pipes including potable water transfer lines, hot and cold water transfer lines, floor heating and also for chemical industry applications. Good long term pressure resistance and easy processing and installation technique give cold and hot water systems made of PP-R pipes and advantage as alternative to the traditional systems.

## PP-R-ul din materialele noastre

Tevile și fittingurile Supratherm sunt făcute din polipropilena reticulată, PP-R 80/ PP-R 100/PP-RCT 125/ Tip 3/Tip 4, aceasta fiind o materie primă ce are un indice de curgere redus, o greutate moleculară mare și o flexibilitate bună.

Această materie primă se recomandă pentru producția de țevi de presiune, inclusiv linii de transfer de apă potabilă, linii de transfer de apă caldă și rece, încălzire în pardoseală, dar și pentru utilizări în industria chimică. Rezistența la presiune pe termen lung și tehnica ușoară de procesare și instalare oferă sistemelor de apă rece și caldă făcute din țevi PP-R un avantaj ca soluție pentru sistemele tradiționale.



|                                                              | Condition<br>Condiție | Standard    | Result<br>Rezultat | Units<br>Unități  |
|--------------------------------------------------------------|-----------------------|-------------|--------------------|-------------------|
| Properties/Proprietăți                                       | ---                   | ISO 1183    | 0.897              | g/cm <sup>3</sup> |
| Fluidity index                                               | MFR 190°C/5Kg         | ISO 1133    | 0.500              | g/10min           |
| index fluiditate                                             | MFR 230°C/2.16Kg      | ISO 1133    | 0.300              | g/10min           |
| Tensile strength/rezistență la tracțiune                     | ---                   | ISO 527     | 28.000             | MPa               |
| Elongation at break/ Alungirea la rupere                     | ---                   | ISO 527     | 13.000             | %                 |
| Elasticity module/modul de elasticitate                      | ---                   | ISO 527     | 900.000            | MPa               |
| Resistance to impact                                         | 23°C                  | ISO 9854    | no fault           | ---               |
| Rezistența la impact                                         | 0°C                   | ISO 9854    | no fault           | ---               |
|                                                              | -10°C                 | ISO 9854    | no fault           | ---               |
| VICAT temperature/temperatura Vicat                          | 10 N                  | ISO 306/A   | 135.000            | °C                |
| Thermal conductivity/conductivitate termică                  | ---                   | DIN 52612   | 0.250              | W / m K           |
| Hot longitudinal deformation/Deformare longitudinală la cald | 135°C                 | EN ISO 2505 | 0.530              | %                 |

| Description<br>Descriere                                                                                     | Market Symbol<br>Mark / Symbol |
|--------------------------------------------------------------------------------------------------------------|--------------------------------|
| Indication of the Standard Reference / Indicarea standardului de referință                                   | ISO 15874 or ISO 21003         |
| Identification of the Manufacturer and/or trademark /Identificare a producătorului și / sau marca comercială | SUPRATHERM                     |
| Nominal rim diameter and Nominal thickness / Diametrul nominal și grosime nominală                           | Ex: 20 x 3.4                   |
| Pipe dimensional class / Clasa dimensională de Țeavă                                                         | Ex: A                          |
| Material                                                                                                     | PP-R or PP-R CT                |
| Pipe Application class / Clasa de utilizare                                                                  | Class 1/10 bar                 |
| Manufacturer's information / Informațiile producătorului                                                     | Production order and date      |

System Specific Standards / General quality requirements, dimensions  
Cerințe specifice Standarde / generale de calitate, dimensiuni

|              |                                                                  |                                                                      |
|--------------|------------------------------------------------------------------|----------------------------------------------------------------------|
| DIN 8077     | Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - Dimensions | Polipropilenă (PP) - Tevi PP-H, PP-B, PP-R, PP-RCT - Dimensiuni      |
| DIN 8078     | Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT              | Polipropilenă (PP) - Tevi PP-H, PP-B, PP-R, PP-RCT                   |
| DIN 16962    | Pipe joint assemblies and fittings                               | Ansambluri comune țeavă și accesorii                                 |
| EN ISO 15874 | Plastics piping systems for hot and cold water                   | Sisteme de canalizare de materiale plastice pentru apă caldă și rece |
| EN ISO 21003 | Multilayer piping systems for hot and cold water                 | Sisteme de conducte multistrat pentru apă caldă și rece              |
| DIN 1988     | Drinking water supply systems                                    | Sisteme de alimentare cu apă potabilă                                |
| DVGW         | Working sheets                                                   | foi de lucru                                                         |
| SKZ          | Guidelines                                                       | orientările                                                          |

Handling and Installation  
Manipulare și instalare

| Rim diameter<br>Diametrul Rim | Welding depth<br>Adâncime de sudare | Heating time<br>timp de încălzire<br>(s) | Handling time<br>Timp de manipulare<br>(s) | Cooling time<br>Timp de răcire<br>(s) |
|-------------------------------|-------------------------------------|------------------------------------------|--------------------------------------------|---------------------------------------|
| 20                            | 14.5                                | 5                                        | 4                                          | 4                                     |
| 25                            | 16.0                                | 7                                        | 4                                          | 6                                     |
| 32                            | 18.0                                | 8                                        | 6                                          | 7                                     |
| 40                            | 20.5                                | 12                                       | 6                                          | 7                                     |
| 50                            | 23.5                                | 18                                       | 7                                          | 8                                     |
| 63                            | 27.5                                | 24                                       | 8                                          | 8                                     |
| 75                            | 31.0                                | 30                                       | 8                                          | 9                                     |
| 90                            | 35.5                                | 40                                       | 9                                          | 10                                    |
| 110                           | 41.5                                | 50                                       | 10                                         | 12                                    |
| 125                           | 50.0                                | 70                                       | 12                                         | 16                                    |

Distance Between Sliding Fixing Points (in cm)  
Distanța dintre fixare Puncte (in cm)

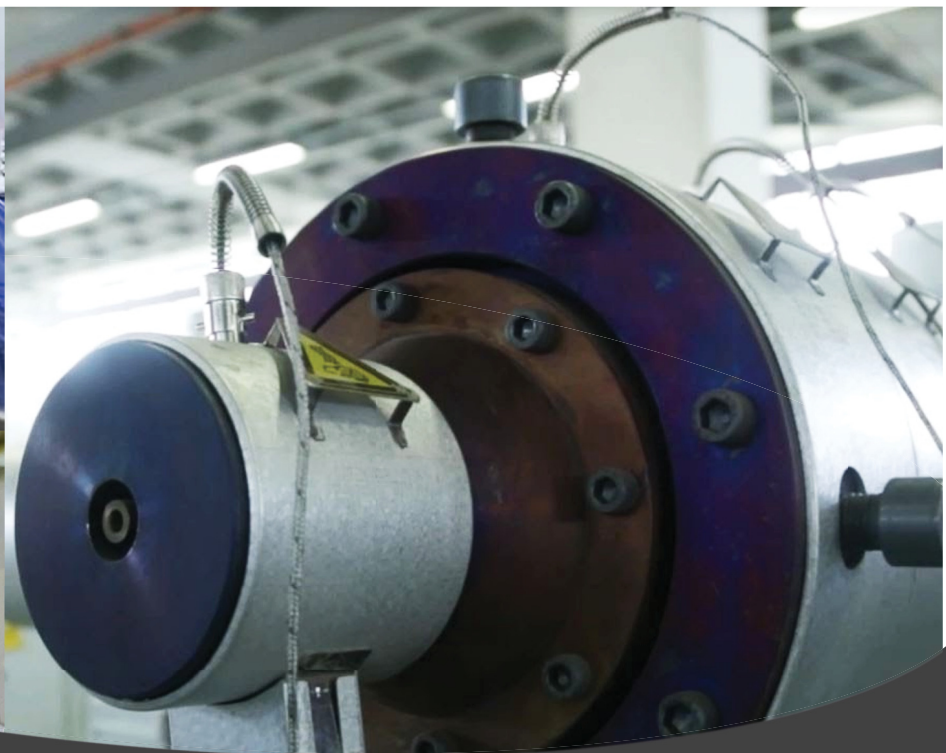
| Rim diameter<br>Diametru Rim | Temperatures (ΔT) °C<br>Temperatura (ΔT) °C |     |     |     |     |     |     |
|------------------------------|---------------------------------------------|-----|-----|-----|-----|-----|-----|
|                              | 20                                          | 30  | 40  | 50  | 60  | 70  | 80  |
| 20                           | 65.0                                        | 62  | 60  | 60  | 58  | 53  | 49  |
| 25                           | 75.0                                        | 72  | 70  | 68  | 66  | 61  | 55  |
| 32                           | 90.0                                        | 88  | 86  | 83  | 80  | 75  | 70  |
| 40                           | 110.0                                       | 110 | 105 | 100 | 95  | 90  | 85  |
| 50                           | 125.0                                       | 120 | 115 | 110 | 105 | 100 | 90  |
| 63                           | 140.0                                       | 135 | 130 | 125 | 120 | 115 | 105 |
| 75                           | 155.0                                       | 150 | 145 | 135 | 130 | 125 | 115 |
| 90                           | 165.0                                       | 160 | 155 | 145 | 140 | 10  | 125 |
| 110                          | 180.0                                       | 175 | 170 | 165 | 150 | 140 | 130 |
| 125                          | 190                                         | 185 | 180 | 175 | 160 | 150 | 140 |

| Temperature<br>Temperatură | Service Years<br>Ani de servicii | SupraTherm Pipe<br>PP-R SDR 7.4/S 3.2<br>PN 16                 | SupraTherm Pipe<br>PP-R SDR 6/S 2.5<br>PN 20 |
|----------------------------|----------------------------------|----------------------------------------------------------------|----------------------------------------------|
|                            |                                  | Work pressure limit (bar)<br>Limita de presiune de lucru (bar) |                                              |
| 20°C                       | 5                                | 35.31                                                          | 44.29                                        |
|                            | 10                               | 33.97                                                          | 42.65                                        |
|                            | 25                               | 32.86                                                          | 41.06                                        |
|                            | 50                               | 31.27                                                          | 39.35                                        |
| 30°C                       | 5                                | 30.07                                                          | 37.66                                        |
|                            | 10                               | 28.64                                                          | 36.10                                        |
|                            | 25                               | 27.43                                                          | 34.54                                        |
|                            | 50                               | 26.41                                                          | 33.38                                        |
| 40°C                       | 5                                | 25.33                                                          | 31.84                                        |
|                            | 10                               | 24.46                                                          | 30.64                                        |
|                            | 25                               | 23.24                                                          | 29.10                                        |
|                            | 50                               | 22.25                                                          | 28.03                                        |
| 50°C                       | 5                                | 21.39                                                          | 26.84                                        |
|                            | 10                               | 20.46                                                          | 25.77                                        |
|                            | 25                               | 19.50                                                          | 24.57                                        |
|                            | 50                               | 19.72                                                          | 23.53                                        |
| 60°C                       | 5                                | 18.01                                                          | 22.54                                        |
|                            | 10                               | 17.31                                                          | 21.53                                        |
|                            | 25                               | 17.06                                                          | 20.54                                        |
|                            | 50                               | 16.05                                                          | 19.36                                        |
| 65°C                       | 5                                | 17.13                                                          | 21.36                                        |
|                            | 10                               | 15.69                                                          | 19.69                                        |
|                            | 25                               | 13.26                                                          | 16.53                                        |
|                            | 50                               | 11.11                                                          | 15.59                                        |
| 70°C                       | 5                                | 15.08                                                          | 18.81                                        |
|                            | 10                               | 14.56                                                          | 18.30                                        |
|                            | 25                               | 12.50                                                          | 15.63                                        |
|                            | 50                               | 10.34                                                          | 13.04                                        |
| 75°C                       | 5                                | 13.60                                                          | 16.85                                        |
|                            | 10                               | 11.73                                                          | 14.51                                        |
|                            | 25                               | 9.42                                                           | 11.59                                        |

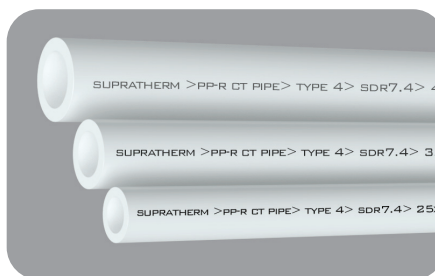
SDR = Standard Dimension Ratio / Ratio Standard Dimensiuni

SDR =  $2 \times S + 1 \sim d/s$

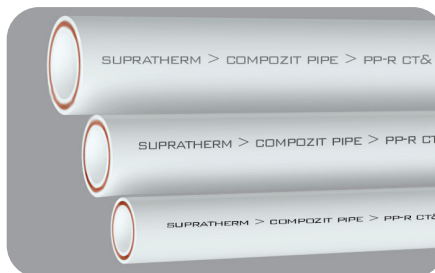
S = Pipe Series According to ISO 4065 / serie țevi conform ISO 4065



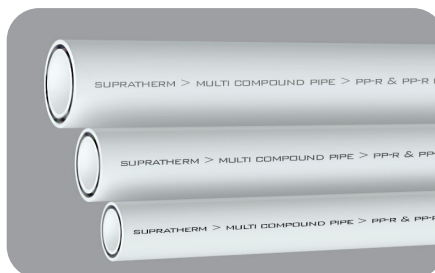


**PP-R TEAVA FARA INSERTIE****PP-R PIPE****SDR 6**

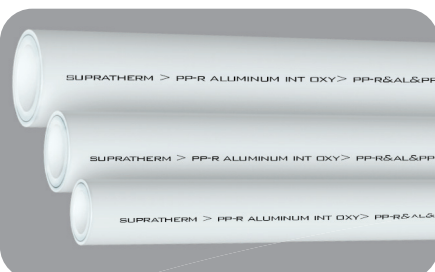
| <b>Code</b> | <b>Dimension</b> | <b>UM</b> | <b>Wall Thickness</b> | <b>ML/BOX</b> | <b>Pcs/Foil</b> |
|-------------|------------------|-----------|-----------------------|---------------|-----------------|
| 25001002    | 20MM             | ML        | 3.40                  | 100           | 25              |
| 25001003    | 25MM             | ML        | 4.20                  | 100           | 25              |
| 25001004    | 32MM             | ML        | 5.40                  | 60            | 15              |
| 25001005    | 40MM             | ML        | 6.70                  | 40            | 10              |
| 25001006    | 50MM             | ML        | 8.30                  | 20            | 5               |
| 25001007    | 63MM             | ML        | 10.50                 | 16            | 4               |
| 25001008    | 75MM             | ML        | 12.50                 | 8             | 2               |
| 25001009    | 90MM             | ML        | 15.00                 | 8             | 2               |
| 25001010    | 110 MM           | ML        | 18.30                 | 4             | 1               |
| 25001011    | 125 MM           | ML        | 20.80                 | 4             | 1               |

**PP R-CT TEAVA CU FIBRA COMPOZITA (STICLA) PN25****PP R-CT PIPE FIBER GLASS COMPOUND MULTILAYER****SDR 7.4**

| <b>Code</b> | <b>Dimension</b> | <b>UM</b> | <b>Wall Thickness</b> | <b>ML/BOX</b> | <b>Pcs/Foil</b> |
|-------------|------------------|-----------|-----------------------|---------------|-----------------|
| 25001802    | 20 MM            | ML        | 2.80                  | 100           | 25              |
| 25001803    | 25 MM            | ML        | 3.50                  | 80            | 20              |
| 25001804    | 32 MM            | ML        | 4.40                  | 60            | 15              |
| 25001805    | 40 MM            | ML        | 5.50                  | 40            | 10              |
| 25001806    | 50 MM            | ML        | 6.90                  | 20            | 5               |
| 25001807    | 63 MM            | ML        | 8.60                  | 16            | 4               |
| 25001808    | 75 MM            | ML        | 10.30                 | 8             | 2               |
| 25001809    | 90 MM            | ML        | 12.30                 | 8             | 2               |
| 25001810    | 110 MM           | ML        | 15.10                 | 4             | 1               |
| 25001811    | 125 MM           | ML        | 17.10                 | 4             | 1               |

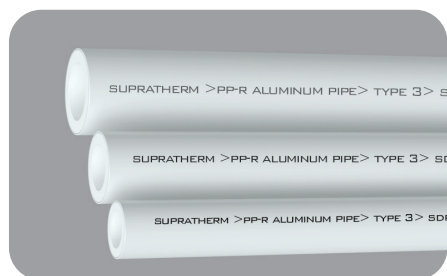
**PP-R TEAVA CU CARBON SI BASALT FIBRA COMPOZITA M.****PP-R PIPE CARBON and BASALT FIBER COMPOUND M.****SDR 7.4**

| <b>Code</b> | <b>Dimension</b> | <b>UM</b> | <b>Wall Thickness</b> | <b>ML/BOX</b> | <b>Pcs/Foil</b> |
|-------------|------------------|-----------|-----------------------|---------------|-----------------|
| 25001702    | 20 MM            | ML        | 2.80                  | 100           | 25              |
| 25001703    | 25 MM            | ML        | 3.50                  | 80            | 20              |
| 25001704    | 32 MM            | ML        | 4.40                  | 60            | 15              |
| 25001705    | 40 MM            | ML        | 5.50                  | 40            | 10              |
| 25001706    | 50 MM            | ML        | 6.90                  | 20            | 5               |
| 25001707    | 63 MM            | ML        | 8.60                  | 16            | 4               |
| 25001708    | 75 MM            | ML        | 10.30                 | 8             | 2               |
| 25001709    | 90 MM            | ML        | 12.30                 | 8             | 2               |
| 25001710    | 110 MM           | ML        | 15.10                 | 4             | 1               |
| 25001711    | 125 MM           | ML        | 17.10                 | 4             | 1               |

**PP-R (S-SERIES) TEAVA CU INSERTIE ALUMINIU (INTERIOR)****PP-R (S-SERIES) PIPE WITH ALUMINUM FOIL (MIDDLE)****SDR 6**

| <b>Code</b> | <b>Dimension</b> | <b>UM</b> | <b>Wall Thickness</b> | <b>ML/BOX</b> | <b>Pcs/Foil</b> |
|-------------|------------------|-----------|-----------------------|---------------|-----------------|
| 25001202    | 20MM             | ML        | 3.40                  | 100           | 25              |
| 25001203    | 25MM             | ML        | 4.20                  | 80            | 20              |
| 25001204    | 32MM             | ML        | 5.40                  | 60            | 15              |
| 25001205    | 40MM             | ML        | 6.70                  | 40            | 10              |
| 25001206    | 50MM             | ML        | 8.30                  | 20            | 5               |
| 25001207    | 63MM             | ML        | 10.50                 | 16            | 4               |

Standard : DIN 8077-78 - EN ISO 15874 - EN ISO 21003  
 Colour : White, Green, Gray

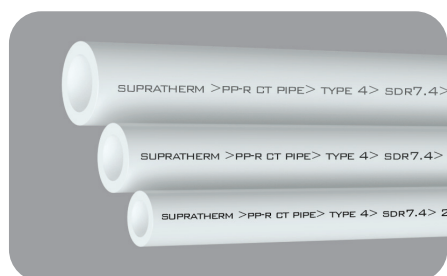


## PP-R TEAVA CU FOLIE ALUMINIU (EXTERNAL)

### PP-R PIPE WITH ALUMINIUM FOIL (EXTERIOR)

SDR 6

| Code     | Dimension | UM | Wall Thickness | ML/BOX | Pcs/Foil |
|----------|-----------|----|----------------|--------|----------|
| 25001302 | 20MM      | ML | 3.40           | 100    | 25       |
| 25001303 | 25MM      | ML | 4.20           | 80     | 20       |
| 25001304 | 32MM      | ML | 5.40           | 60     | 15       |
| 25001305 | 40MM      | ML | 6.70           | 40     | 10       |
| 25001306 | 50MM      | ML | 8.30           | 20     | 5        |
| 25001307 | 63MM      | ML | 10.50          | 16     | 4        |
| 25001308 | 75MM      | ML | 12.50          | 8      | 2        |

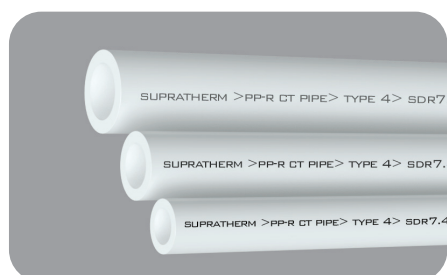


## PP-R CT TEAVA FARA INSERTIE

### PP-R CT PIPE

SDR 7.4

| Code     | Dimension | UM | Wall Thickness | ML/BOX | Pcs/Foil |
|----------|-----------|----|----------------|--------|----------|
| 25001060 | 20MM      | ML | 2.80           | 100    | 25       |
| 25001061 | 25MM      | ML | 3.50           | 100    | 25       |
| 25001062 | 32MM      | ML | 4.40           | 60     | 15       |
| 25001063 | 40MM      | ML | 5.50           | 40     | 10       |
| 25001064 | 50MM      | ML | 6.90           | 20     | 5        |
| 25001065 | 63MM      | ML | 8.60           | 16     | 4        |
| 25001066 | 75MM      | ML | 10.30          | 8      | 2        |
| 25001067 | 90MM      | ML | 12.30          | 8      | 2        |
| 25001068 | 110 MM    | ML | 15.10          | 4      | 1        |
| 25001069 | 125 MM    | ML | 17.10          | 4      | 1        |

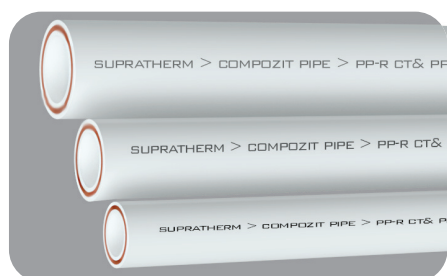


## PP-R TEAVA FARA INSERTIE

### PP-R PIPE

SDR 7.4

| Code     | Dimension | UM | Wall Thickness | ML/BOX | Pcs/Foil |
|----------|-----------|----|----------------|--------|----------|
| 25001022 | 20MM      | ML | 2.80           | 100    | 25       |
| 25001023 | 25MM      | ML | 3.50           | 100    | 25       |
| 25001024 | 32MM      | ML | 4.40           | 60     | 15       |
| 25001025 | 40MM      | ML | 5.50           | 40     | 10       |
| 25001026 | 50MM      | ML | 6.90           | 20     | 5        |
| 25001027 | 63MM      | ML | 8.60           | 16     | 4        |
| 25001028 | 75MM      | ML | 10.30          | 8      | 2        |
| 25001029 | 90MM      | ML | 12.30          | 8      | 2        |
| 25001030 | 110 MM    | ML | 15.10          | 4      | 1        |



## PP-R TEAVA CU FIBRASTICLA

### PP-R PIPE FIBER GLASS COMPOUND MULTILAYER

SDR 5

| Code     | Dimension | UM | Wall Thickness | ML/BOX | Pcs/Foil |
|----------|-----------|----|----------------|--------|----------|
| 25001122 | 20MM      | ML | 4.10           | 100    | 25       |
| 25001123 | 25MM      | ML | 5.10           | 80     | 20       |
| 25001124 | 32MM      | ML | 6.50           | 60     | 15       |
| 25001125 | 40MM      | ML | 8.10           | 40     | 10       |
| 25001126 | 50MM      | ML | 10.10          | 20     | 5        |
| 25001127 | 63MM      | ML | 12.70          | 16     | 4        |
| 25001128 | 75MM      | ML | 15.10          | 8      | 2        |
| 25001129 | 90MM      | ML | 18.10          | 8      | 2        |
| 25001130 | 110 MM    | ML | 22.10          | 4      | 1        |

Toate informatiile furnizate in acest catalog sunt cu titlu informativ. SupraTherm are dreptul de a modifica sau de a revizui oricand continutul acestuia fara o notificare in prealabil.



**PP-R RACORD CU FILET EXTERIOR**  
**PP-R MALE THREADED ADAPTOR**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25006902 | 20-1/2"   | BUC | 200    | 20       |
| 25006903 | 20-3/4"   | BUC | 150    | 15       |
| 25006904 | 25-1/2"   | BUC | 200    | 20       |
| 25006905 | 25-3/4"   | BUC | 150    | 15       |
| 25006907 | 32-3/4"   | BUC | 100    | 10       |
| 25006906 | 32-1"     | BUC | 80     | 10       |
| 25006908 | 40-1.1/4" | BUC | 54     | 6        |
| 25006909 | 50-1.1/2" | BUC | 48     |          |
| 25006910 | 63-2"     | BUC | 24     |          |



**PP-R RACORD CU FILET INTERIOR**  
**PP-R FEMALE THREADED ADAPTOR**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007002 | 20-1/2"   | BUC | 200    | 20       |
| 25007003 | 20-3/4"   | BUC | 150    | 15       |
| 25007004 | 25-1/2"   | BUC | 200    | 20       |
| 25007005 | 25-3/4"   | BUC | 150    | 15       |
| 25007007 | 32-3/4"   | BUC | 120    | 10       |
| 25007006 | 32-1"     | BUC | 80     | 10       |
| 25007008 | 40-1.1/4" | BUC | 56     | 7        |
| 25007009 | 50-1.1/2" | BUC | 56     |          |
| 25007010 | 63-2"     | BUC | 30     |          |



**PP-R RACORD CU OLANDEZ FILET EXTERIOR**  
**PP-R MALE THREADED UNION**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007102 | 20-1/2"   | BUC | 252    | 36       |
| 25007103 | 25-3/4"   | BUC | 220    | 22       |
| 25007104 | 32-1"     | BUC | 100    | 10       |
| 25007105 | 40-1.1/4" | BUC | 72     | 9        |



**PP-R RACORD CU OLANDEZ FILET INTERIOR**  
**PP-R FEMALE THREADED UNION**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007202 | 20-1/2"   | BUC | 300    | 30       |
| 25007203 | 25-3/4"   | BUC | 260    | 20       |
| 25007204 | 32-1"     | BUC | 100    | 10       |
| 25007205 | 40-1.1/4" | BUC | 80     | 8        |



**PP-R RACORD CU SEMIOLANDEZ**  
**PP-R FEMALE COUPLER WITH ADAPTER**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007302 | 20-1/2"   | BUC | 400    | 40       |
| 25007303 | 25-3/4"   | BUC | 180    | 30       |





**PP-R COT CU SEMIOLANDEZ**  
**PP-R FEMALE COUPLER WITH ELBOW**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007304 | 20-1/2"   | BUC | 400    | 40       |
| 25007305 | 25-3/4"   | BUC | 180    | 30       |



**PP-R COT CU FILET EXTERIOR**  
**PP-R MALE THREADED ELBOW**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25006502 | 20-1/2"   | BUC | 200    | 20       |
| 25006503 | 20-3/4"   | BUC | 100    | 10       |
| 25006504 | 25-1/2"   | BUC | 100    | 10       |
| 25006505 | 25-3/4"   | BUC | 150    | 10       |
| 25006507 | 32-3/4"   | BUC | 120    | 12       |
| 25006506 | 32-1"     | BUC | 50     | 10       |



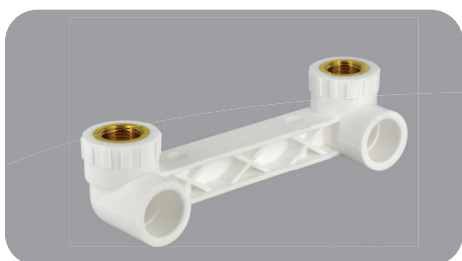
**PP-R COT CU FILET INTERIOR**  
**PP-R FEMALE THREADED ELBOW**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25006602 | 20-1/2"   | BUC | 200    | 20       |
| 25006603 | 20-3/4"   | BUC | 150    | 15       |
| 25006604 | 25-1/2"   | BUC | 150    | 15       |
| 25006605 | 25-3/4"   | BUC | 150    | 15       |
| 25006607 | 32-3/4"   | BUC | 100    | 10       |
| 25006606 | 32-1"     | BUC | 80     | 10       |



**PP-R COT CU FLANSA**  
**PP-R FEMALE THREADED WALL CON. ELBOW**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25006702 | 20-1/2"   | BUC | 160    | 20       |
| 25006703 | 25-1/2"   | BUC | 150    | 15       |



**PP-R SET SANITAR BATERIE SIMPLU**  
**PP-R WALL MOUNTING FITTING GROUP SIMPLE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007503 | 20-1/2"   | BUC | 40     | 4        |
| 25007504 | 25-1/2"   | BUC | 40     | 4        |

Standard : DIN 16962 - EN ISO 15874  
Colour : White, Green, Gray

The entire information provided herein are for reference only. SupraTherm reserve the right to modify or revise the content at anytime without prior notice



**PP-R TEU CU FILET EXTERIOR**  
**PP-R MALE THREADED TEE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007602 | 20-1/2"   | BUC | 150    | 15       |
| 25007603 | 20-3/4"   | BUC | 100    | 10       |
| 25007604 | 25-1/2"   | BUC | 100    | 10       |
| 25007605 | 25-3/4"   | BUC | 100    | 10       |
| 25007607 | 32-3/4"   | BUC | 100    | 10       |
| 25007606 | 32-1"     | BUC | 50     | 5        |



**PP-R TEU CU FILET INTERIOR**  
**PP-R FEMALE THREADED TEE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25007702 | 20-1/2"   | BUC | 150    | 15       |
| 25007703 | 20-3/4"   | BUC | 160    | 20       |
| 25007704 | 25-1/2"   | BUC | 100    | 10       |
| 25007705 | 25-3/4"   | BUC | 100    | 10       |
| 25007707 | 32-3/4"   | BUC | 80     | 8        |
| 25007706 | 32-1"     | BUC | 40     | 4        |



**PP-R ROBINET RADIATOR COLTAR**  
**PP-R RADIATOR VALVE WITH BALL & ELBOW**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25000202 | 20 - 1/2" | BUC | 80     | 10       |



**PP-R ROBINET RADIATOR DREPT**  
**PP-R RADIATOR WITH BALL VALVE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25000204 | 20 - 1/2" | BUC | 100    | 10       |



**PP-R FILTRU Y I/**  
**PP-R Y FILTER F/F**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25006802 | 20MM      | BUC | 160    | 20       |
| 25006803 | 25MM      | BUC | 80     | 10       |



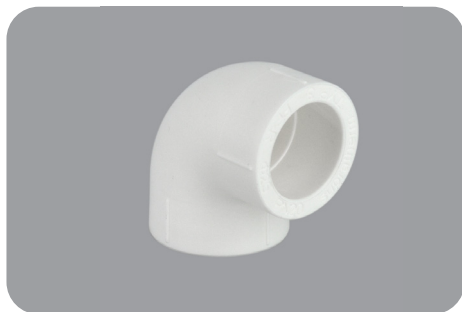
**PP-R ROBINET CU BILA**  
**PP-R BRASS BALL VALVE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25000402 | 20MM      | BUC | 100    | 10       |
| 25000403 | 25MM      | BUC | 60     | 10       |
| 25000404 | 32MM      | BUC | 40     | 5        |
| 25000405 | 40MM      | BUC | 20     | 4        |



**PP-R ROBINET TRECERE**  
**PP-R VALVE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25000302 | 20MM      | BUC | 80     | 10       |
| 25000303 | 25MM      | BUC | 60     | 10       |
| 25000304 | 32MM      | BUC | 40     | 5        |



**PP-R COT 90\***  
**PP-R ELBOW 90\***

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25003402 | 20MM      | BUC | 300    | 50       |
| 25003403 | 25MM      | BUC | 200    | 20       |
| 25003404 | 32MM      | BUC | 150    | 15       |
| 25003405 | 40MM      | BUC | 50     | 5        |
| 25003406 | 50MM      | BUC | 40     | 5        |
| 25003407 | 63MM      | BUC | 20     |          |
| 25003408 | 75MM      | BUC | 12     |          |
| 25003409 | 90MM      | BUC | 8      |          |
| 25003410 | 110MM     | BUC | 3      |          |
| 25003411 | 125MM     | BUC | 2      |          |



**PP-R COT 45\***  
**PP-R ELBOW 45\***

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25003302 | 20MM      | BUC | 500    | 50       |
| 25003303 | 25MM      | BUC | 300    | 30       |
| 25003304 | 32MM      | BUC | 150    | 15       |
| 25003305 | 40MM      | BUC | 80     | 10       |
| 25003306 | 50MM      | BUC | 50     | 5        |
| 25003307 | 63MM      | BUC | 24     |          |



**PP-R COT 90\* I/E**  
**PP-R ELBOW 90\* F/M**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25005502 | 20MM      | BUC | 300    | 50       |
| 25005503 | 25MM      | BUC | 200    | 20       |
| 25005504 | 32MM      | BUC | 100    | 10       |
| 25005505 | 40MM      | BUC | 50     | 5        |



**PP-R COT 45\* I/E**  
**PP-R ELBOW 45\* F/M**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25005602 | 20MM      | BUC | 500    | 50       |
| 25005603 | 25MM      | BUC | 250    | 25       |
| 25005604 | 32MM      | BUC | 100    | 10       |
| 25005605 | 40MM      | BUC | 50     | 5        |

Standard : DIN 16962 - EN ISO 15874  
Colour : White, Green, Gray



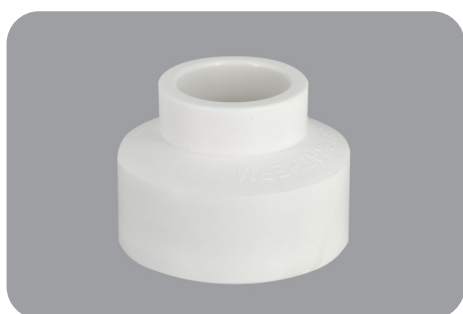


### PP-R MUFA PP-R SOCKET

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25004102 | 20MM      | BUC | 500    | 50       |
| 25004103 | 25MM      | BUC | 300    | 50       |
| 25004104 | 32MM      | BUC | 200    | 20       |
| 25004105 | 40MM      | BUC | 100    | 10       |
| 25004106 | 50MM      | BUC | 60     | 5        |
| 25004107 | 63MM      | BUC | 32     |          |
| 25004108 | 75MM      | BUC | 20     |          |
| 25004109 | 90MM      | BUC | 18     |          |
| 25004110 | 110MM     | BUC | 10     |          |
| 25004111 | 125MM     | BUC | 5      |          |

### PP-R REDUCTIE PP-R REDUCER

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25004502 | 25-20     | BUC | 500    | 50       |
| 25004503 | 32-20     | BUC | 300    | 50       |
| 25004504 | 32-25     | BUC | 300    | 50       |
| 25004505 | 40-20     | BUC | 200    | 20       |
| 25004506 | 40-25     | BUC | 200    | 20       |
| 25004507 | 40-32     | BUC | 100    | 10       |
| 25004508 | 50-20     | BUC | 100    | 20       |
| 25004509 | 50-25     | BUC | 100    | 10       |
| 25004510 | 50-32     | BUC | 80     | 10       |
| 25004511 | 50-40     | BUC | 60     | 10       |
| 25004523 | 63-20     | BUC | 40     | 4        |
| 25004512 | 63-25     | BUC | 40     | 4        |
| 25004513 | 63-32     | BUC | 50     | 5        |
| 25004514 | 63-40     | BUC | 40     | 4        |
| 25004515 | 63-50     | BUC | 48     | 6        |
| 25004524 | 75-20     | BUC | 32     |          |
| 25004525 | 75-25     | BUC | 32     |          |
| 25004526 | 75-32     | BUC | 32     |          |
| 25004527 | 75-40     | BUC | 32     |          |
| 25004516 | 75-50     | BUC | 32     |          |
| 25004517 | 75-63     | BUC | 22     |          |
| 25004528 | 90-32     | BUC | 24     |          |
| 25004529 | 90-40     | BUC | 24     |          |
| 25004530 | 90-50     | BUC | 24     |          |
| 25004518 | 90-63     | BUC | 18     |          |
| 25004519 | 90-75     | BUC | 12     |          |
| 25004531 | 110-40    | BUC | 12     |          |
| 25004532 | 110-50    | BUC | 12     |          |
| 25004520 | 110-63    | BUC | 12     |          |
| 25004521 | 110-75    | BUC | 10     |          |
| 25004522 | 110-90    | BUC | 9      |          |
| 25004533 | 125-50    | BUC | 9      |          |
| 25004534 | 125-63    | BUC | 8      |          |
| 25004535 | 125-75    | BUC | 7      |          |
| 25004536 | 125-90    | BUC | 6      |          |
| 25004537 | 125-110   | BUC | 4      |          |





**PP-R COT REDUS 90\***  
**PP-R REDUCING ELBOW**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25003702 | 25-20MM   | BUC | 300    | 30       |



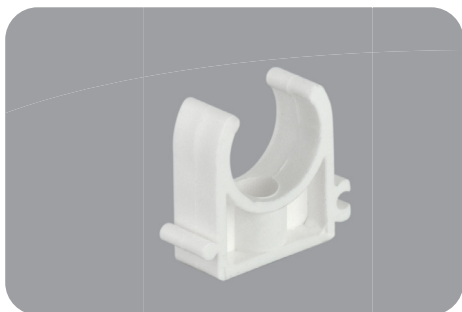
**PP-R TEU EGAL**  
**PP-R TEE EQUAL**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25004602 | 20MM      | BUC | 250    | 25       |
| 25004603 | 25MM      | BUC | 150    | 15       |
| 25004604 | 32MM      | BUC | 90     | 10       |
| 25004605 | 40MM      | BUC | 50     | 5        |
| 25004606 | 50MM      | BUC | 30     | 5        |
| 25004607 | 63MM      | BUC | 20     |          |



**PP-R TEU INEGAL**  
**PP-R REDUCING TEE**

| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25004703 | 25-20-20  | BUC | 160    | 20       |
| 25004704 | 25-20-25  | BUC | 160    | 20       |
| 25004705 | 25-25-20  | BUC | 160    | 20       |
| 25004706 | 32-20-20  | BUC | 120    | 15       |
| 25004707 | 32-20-32  | BUC | 100    | 10       |
| 25004708 | 32-25-25  | BUC | 120    | 15       |
| 25004709 | 32-25-32  | BUC | 100    | 10       |
| 25004711 | 40-20-40  | BUC | 50     | 5        |
| 25004712 | 40-25-40  | BUC | 72     | 9        |
| 25004713 | 40-32-40  | BUC | 64     | 8        |
| 25004714 | 40-50-40  | BUC | 25     | 5        |
| 25004715 | 50-20-50  | BUC | 40     | 4        |
| 25004716 | 50-25-50  | BUC | 40     | 4        |
| 25004719 | 50-32-50  | BUC | 36     | 4        |
| 25004722 | 50-40-50  | BUC | 36     | 4        |
| 25004725 | 63-20-63  | BUC | 24     | 4        |
| 25004726 | 63-25-63  | BUC | 24     | 4        |
| 25004727 | 63-32-63  | BUC | 24     |          |
| 25004728 | 63-40-63  | BUC | 24     |          |
| 25004729 | 63-50-63  | BUC | 22     |          |



**PP-R CLEMA SUPORT TEAVA**  
**PP-R BRACKET**

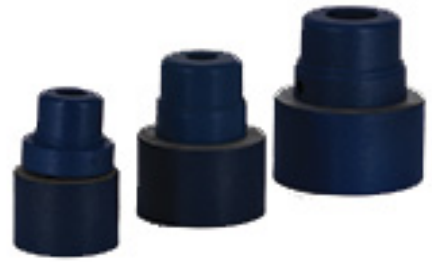
| Code     | Dimension | UM  | ML/BOX | Pcs/Foil |
|----------|-----------|-----|--------|----------|
| 25003102 | 20MM      | BUC | 1000   | 100      |
| 25003103 | 25MM      | BUC | 600    | 100      |
| 25003104 | 32MM      | BUC | 800    | 100      |
| 25003105 | 40MM      | BUC | 600    | 60       |
| 25003106 | 50MM      | BUC | 440    | 44       |

Standard : DIN 16962 - EN ISO 15874  
Colour : White, Green, Gray

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Cheia succesului pentru produsele realizate sub brandul SupraTherm este utilizarea unei materii prime de inalta calitate (importata din Europa) precum si prelucrarea ei de catre o echipa de specialisti de cel mai performant nivel din domeniu.



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