



... more than pipes

WWW.FV-PLAST.CZ



37% HIGHER FLOW RATE*

INCREASED TEMPERATURE RESISTANCE UP TO 90°C*

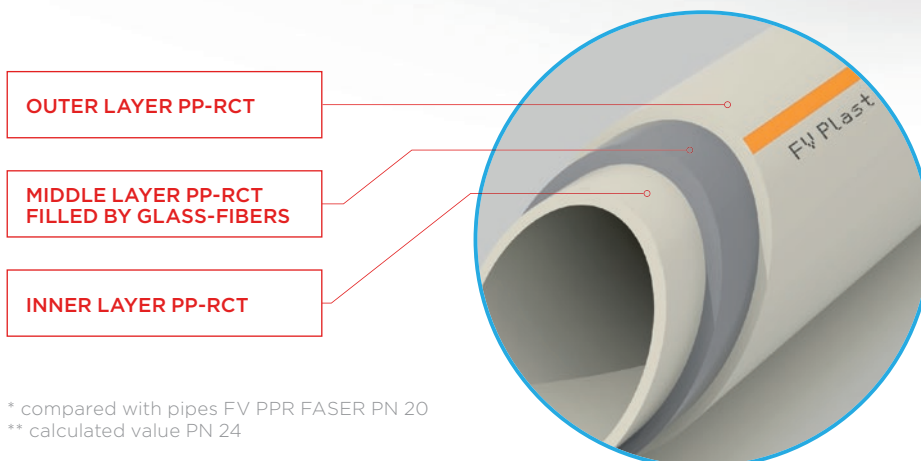
HIGHER PRESSURE RESISTANCE**

LOWER THERMAL EXPANSION

HIGH SHAPED STABILITY

FV PP-RCT FASER HOT

Resistant pipe reinforced with glass-fibers developed for the distribution of hot water and heating



* compared with pipes FV PPR FASER PN 20
** calculated value PN 24



FV PP-RCT FASER HOT

Principle

Modern highly resistant multilayer pipe. Inner and outer layer made of new generation polymer PP-RCT, which shows, thanks to a special process „β-nucleation“ significantly more resistant hexagonal crystalline structure. Pipes made of PP-RCT can work with a higher stress in the wall and therefore pipes achieve the comparable pressure resistance with a significantly lower wall thickness in comparison with pipes made of PP-R.

Thanks to the glass-fiber reinforcement pipes FV PP-RCT FASER HOT show minimal thermal expansion and high shaped stability, which allows a significant reduction of fixing points and compensation.

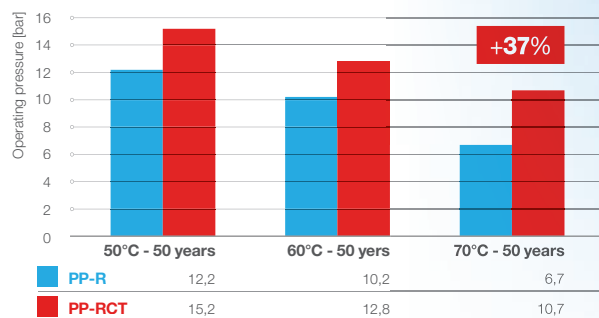
Main advantages

- Up to 37% more flow rate than comparable pipe FV PPR FASER PN20
- Easy joining by proven technology of polyfusion welding
- Higher range of working temperature
- Service life more than 50-years

Fields of application

- Distribution of potable water
- Distribution of hot water to 70°C
- Heating systems with temperatures up to 90°C

Comparison of pipes pressure resistance PP-R and PP-RCT with the same SDR 7,4



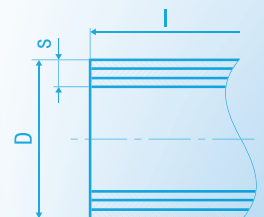
Technical parameters

| | Ø 20-25 | Ø 32-125 | Ø 160-250 |
|---|-----------------------------|----------|-----------|
| Color | grey RAL 7032, orange strip | | |
| Wall composition | PP-RCT / PP-RCT+GF / PP-RCT | | |
| SDR | 7,4 | 9 | 11 |
| S | 3,2 | 4 | 5 |
| Pressure resistance cl. 2 - water 70°C* | 10 bar | 8 bar | 6 bar |
| Pressure resistance cl. 5 - water 90°C* | 8 bar | 6 bar | 4 bar |
| Coefficient of thermal expansion | 0,05 mm/m.°C | | |

* 50 years according to EN 15784

| Dimension | Unit | Amount in a large package | kg/unit | dm ³ /unit | # ● | # ● | D [mm] | s [mm] | SDR | l [m] |
|------------|------|---------------------------|---------|-----------------------|-------------|-------------|--------|--------|-----|-------|
| 20 × 2,8 | m | 100 | 0,151 | 0,44 | AA113020004 | BA113020004 | 20 | 2,8 | 7,4 | 4 |
| 25 × 3,5 | m | 60 | 0,232 | 0,73 | AA113025004 | BA113025004 | 25 | 3,5 | 7,4 | 4 |
| 32 × 3,6 | m | 40 | 0,340 | 1,10 | AA113032004 | BA113032004 | 32 | 3,6 | 9 | 4 |
| 40 × 4,5 | m | 24 | 0,513 | 1,83 | AA113040004 | BA113040004 | 40 | 4,5 | 9 | 4 |
| 50 × 5,6 | m | 16 | 0,746 | 2,75 | AA113050004 | BA113050004 | 50 | 5,6 | 9 | 4 |
| 63 × 7,1 | m | 12 | 1,190 | 4,07 | AA113063004 | BA113063004 | 63 | 7,1 | 9 | 4 |
| 75 × 8,4 | m | 8 | 1,700 | 5,50 | AA113075004 | BA113075004 | 75 | 8,4 | 9 | 4 |
| 90 × 10,1 | m | 4 | 2,400 | 9,17 | AA113090004 | BA113090004 | 90 | 10,1 | 9 | 4 |
| 110 × 12,3 | m | 4 | 3,400 | 10,31 | AA113110004 | BA113110004 | 110 | 12,3 | 9 | 4 |
| 125 × 14,0 | m | 4 | 4,480 | 12,27 | | BA113125004 | 125 | 14 | 9 | 4 |
| 160 × 14,6 | m | 4 | 6,775 | 20,10 | | BA113125004 | 160 | 14,6 | 11 | 4 |
| 200 × 18,2 | m | 4 | 10,640 | 31,40 | | BA113160004 | 200 | 18,2 | 11 | 4 |
| 250 × 22,7 | m | 4 | 16,610 | 49,06 | | BA113160004 | 250 | 22,7 | 11 | 4 |
| 125 × 14,0 | m | 6 | 4,480 | 12,27 | | BA113200006 | 125 | 14,0 | 9 | 6 |
| 160 × 14,6 | m | 6 | 6,775 | 20,10 | | BA113200006 | 160 | 14,6 | 11 | 6 |
| 200 × 18,2 | m | 6 | 10,640 | 31,40 | | BA113250006 | 200 | 18,2 | 11 | 6 |
| 250 × 22,7 | m | 6 | 16,610 | 49,06 | | BA113250006 | 250 | 22,7 | 11 | 6 |

Dimension Unit Amount in a large package kg/unit dm³/unit



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