



... more than pipes

WWW.FV-PLAST.CZ



37% HIGHER FLOW RATE*

INCREASED TEMPERATURE RESISTANCE UP TO 90°C*

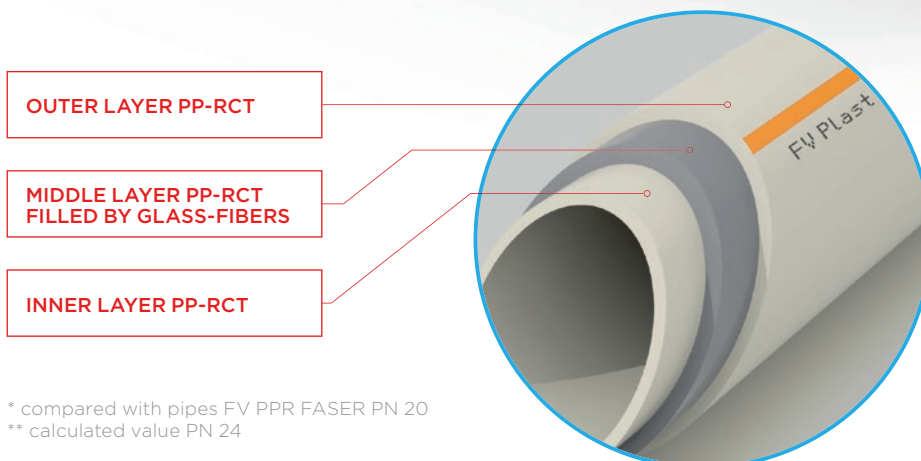
HIGHER PRESSURE RESISTANCE**

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.

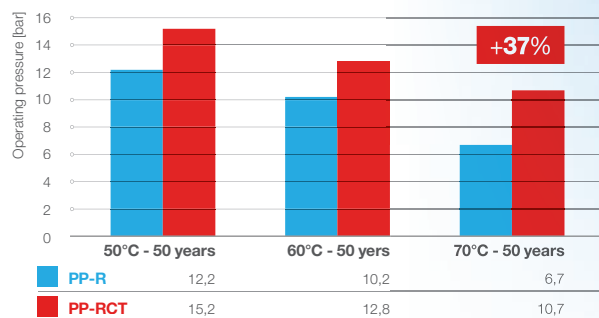
Main advantages

- 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



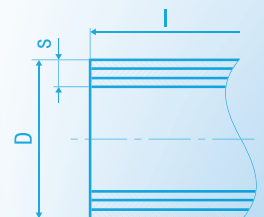
Technical parameters

	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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