

Hot and Cold Water Systems



A better pipe with higher flow rate, improved pressure resistance and easier to handle. A pipe made of new generation polypropylene (PP-RCT)

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Advantages of Pilsa PLUS



- + Larger inner bore and better flow rates
- + Improved pressure resistance at higher temperatures for long term period.
- + Easier to carry, install and handle
- + PP-RCT can be used with all standard Pilsa PP-R fittings

Properties of Pilsa PLUS

37 %
37 % larger inner flow area

28 % average
28% lighter weight lower

PN 22
Compared to equivalent PP-R pipe in hot water application

Higher pressure resistance at high temperatures

20 year Warranty
Guaranteed free of manufacturing defect

(*) Advantages are compared to traditional PP-R

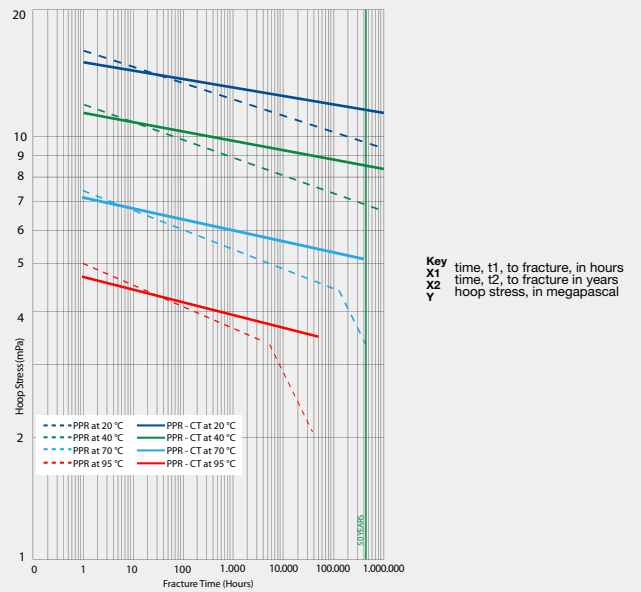
PPR

PP-RCT

Explanatory notes:
t: wall thickness ID: internal diameter

Parameter		PPR	PP - RCT	PPR	PP - RCT
OD	mm	20	20	25	25
Pipe Serie	-	2,5	4	2,5	4
Wall Thickness	mm	3,4	2,3	4,2	2,8
ID	mm	13,2	15,4	16,6	19,4
Inner Flow Area A	mm ²	137	186	217	296
Δ A	%	0	36%	0	37%

Reference curves for expected strenght



Properties of Pilsa PLUS

Pipe Dia. (mm.)	Welding Depth (mm.)	Heating Time (sec.)	Processing Time (sec.)	Cooling Time (min.)	
16	13	5	3	2	Manual Welding
20	14	6	4	2	
25	16	7	4	2	
32	18	8	6	4	
40	20	12	6	4	Welding Machine
50	23	18	6	4	
63	26	24	6	4	
75	28	30	8	6	
90	30	40	10	8	
110	33	50	11	8	
125	35	60	12	8	

PP-RCT Welding Principles

Pipe Diameter	Wall Thicknesses		
	PPR Serie 2,5 PN 20	PPR Serie 3,2 PN 16	PPRCT Serie 4 PN 22
20	3,4	2,8	2,3
25	4,2	3,5	2,8
32	5,4	4,4	3,6
40	6,7	5,5	4,5
50	8,3	6,9	5,6
63	10,5	8,6	7,1
75	12,5	10,3	8,4
90	15,0	12,3	10,1
110	18,3	15,1	12,3
125	20,8	17,1	14,0

Also Available: PPR Pipe - Glassfiber Pipe - Stabi Pipe - Basalttherm Pipe