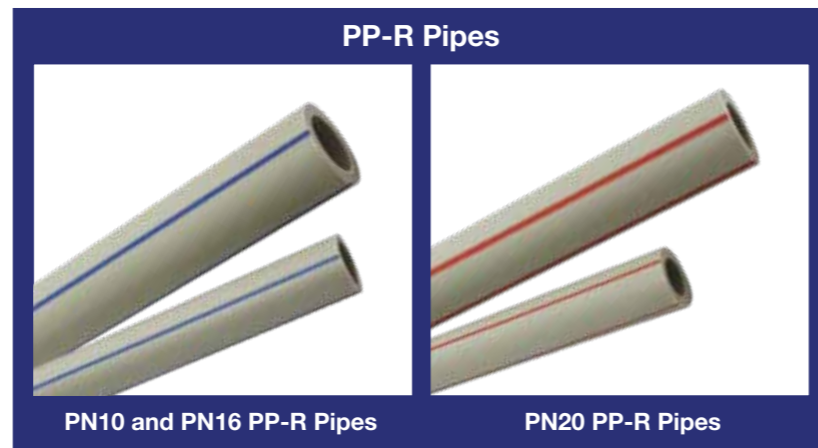




Polypropylene Random (PP-R) is light in weight yet with high impact strength and offers good abrasion and chemical resistance. PP-R is suitable for working use at temperatures up to 90°C. PP-R piping systems are widely used in industrial processing including cold and hot water application, air conditioning and heating.

Spind PP-R piping system complies with EN ISO 15874, and fulfill the requirement of different application: pipes for hot water (PN20) and cold water (PN10), socket fusion fittings and metal transition fittings.



PN10 and PN16 PP-R Pipes

PN20 PP-R Pipes

Nominal Size DN/OD (mm)	Mean Outside Diameter (mm)		Type of Pipe		
			PN 10	PN 16	PN 20
			SDR 11	SDR 7.4	SDR 6
	min	max	Wall Thickness (mm), min		
20	20.0	20.3	1.9	2.8	3.4
25	25.0	25.3	2.3	3.5	4.2
32	32.0	32.3	2.9	4.4	5.4
40	40.0	40.4	3.7	5.5	6.7
50	50.0	50.5	4.6	6.9	8.3
63	63.0	63.6	5.8	8.6	10.5
75	75.0	75.7	6.8	10.3	12.5
90	90.0	90.9	8.2	12.3	15.0
110	110.0	111.0	10.0	15.1	18.3

### Socket Fusion Fittings

Socket



Size (mm)	
20	63
25	75
32	90
40	110
50	-

Elbow 90°



Size (mm)	
20	63
25	75
32	90
40	110
50	-

Elbow 45°



Size (mm)	
20	63
25	75
32	90
40	110
50	-

Equal Tee



Size (mm)	
20	63
25	75
32	90
40	110
50	-

Reducing Tee



Size (mm)	
25 x 20 x 25	63 x 25 x 63
32 x 20 x 32	63 x 32 x 63
32 x 25 x 32	63 x 40 x 63
40 x 20 x 40	63 x 50 x 63
40 x 25 x 40	75 x 32 x 75
40 x 32 x 40	75 x 63 x 75
50 x 20 x 50	90 x 32 x 90
50 x 25 x 50	90 x 63 x 90
50 x 32 x 50	110 x 63 x 110
50 x 40 x 50	-

Reducing Bush



Size (mm)	
25 x 20	63 x 25
32 x 20	63 x 32
32 x 25	63 x 40
40 x 20	63 x 50
40 x 25	75 x 63
40 x 32	90 x 63
50 x 20	90 x 75
50 x 25	110 x 63
50 x 32	110 x 75
50 x 40	110 x 90
63 x 20	-

End Cap



Size (mm)	
20	40
25	50
32	63

### Transition Fittings

Threaded Male Coupling    Threaded Female Coupling



Size (mm x inch)	
20 x 1/2	32 x 1
20 x 3/4	40 x 1 1/4
25 x 1/2	50 x 1 1/2
25 x 3/4	63 x 2
32 x 3/4	-

Threaded Male Elbow 90°    Threaded Female Elbow 90°



Size (mm x inch)	
20 x 1/2	32 x 1
20 x 3/4	-
25 x 1/2	-
25 x 3/4	-
32 x 3/4	-

Threaded Male Tee    Threaded Female Tee



Size (mm x inch)	
20 x 1/2	-
25 x 1/2	-
25 x 3/4	-
32 x 3/4	-
32 x 1	-