



PP-R Piping System: Technical Data Sheet

A. TECHNICAL SPECIFICATION

Hot/Cold waterlines shall be TOPILENE R200P-G20N, Type 3 polypropylene. Pipes and Fittings compliance with requirements of the German standards DIN 8077, DIN 8078, DIN 16962, DIN 4726 and certified by WRAS. “**DONSEN**” brand from Ningbo, China. Jointing shall be fusion welded. Exclusively distributed by OTHMANN INC.

B. INTERNATIONAL QUALITY AND HEALTH CERTIFICATIONS



C. INSTALLATION TECHNOLOGY

1. Socket Fusion Technology or;
2. Electrofusion Technology

D. MANUFACTURING STANDARDS AND REGULATIONS

1. DIN 8077 – Polypropylene (PP) pipes – PP-R Dimensions
2. DIN 8078 - Polypropylene (PP) pipes - PPR: General quality requirements and testing
3. EN ISO 15874 - Plastics piping systems for hot and cold water installations
Polypropylene (PP) Part 1, 2, 3, 5 & 7.

E. SIZE AVAILABILITY

Nominal Size	Outside Diameter	SDR 6 or PN20		SDR 9 or PN16		SDR 11 or PN10	
		Pipe Thickness	Inner Diameter	Pipe Thickness	Inner Diameter	Pipe Thickness	Inner Diameter
in	mm	mm	mm	mm	mm	mm	mm
1/2"	20 mm	3.4	13.2	2.8	14.4	2.3	15.4
3/4"	25 mm	4.2	16.6	3.5	18	2.8	19.4
1"	32 mm	5.4	21.2	4.4	23.2	3.6	24.8
1 1/4"	40 mm	6.7	26.6	5.5	29	4.5	31
1 1/2"	50 mm	8.3	33.4	6.9	36.2	5.6	38.8
2"	63 mm	10.5	42.0	8.6	45.8	7.1	48.8
2 1/2"	75 mm	12.5	50.0	10.3	54.4	8.4	58.2
3"	90 mm	15	60.0	12.3	65.4	10.1	69.8
4"	110 mm	18.3	73.4	15.1	79.8	12.3	85.4
6"	160mm	17.9	106.8	21.9	116.2	26.6	124.2