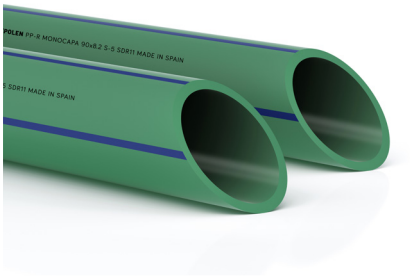
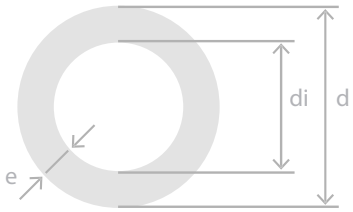
AENOR



REPOLEN PP-R BLUE LINE PIPES
S5-SDR11



REGULATIONS

UNE EN 15874	Plastics piping systems for hot and cold water installations. Polypropylene (PP)
DIN 8077	Polypropylene (PP) pipes. Dimensions
DIN 8078	Polypropylene (PP) pipes. General quality requirements and testing
RP 001.16	Specific Rules for polypropylene (PP) systems for hot and cold water installations
CTE	Spanish Technical Building Code
RD 03/2023	Health criteria for the quality of water intended for human consumption

CERTIFICATES

AENOR	Pipe system
AENOR	Plastic pipes
EPD	Environmental Product Declaration

GENERAL FEATURES

Structure	MONOLAYER
Material	PP-R REPOLEN
Color	Green RAL 6024 with blue lines

TECHNICAL FEATURES

PP-R MATERIAL

Density	905 kg/m3
MFI (230º,2.16Kg)	0.30 g/10min
Modulus of elasticity	815 Mpa
Impact resistance Charpy method notched at 23ºC	> 9 kJ/m2
Tensile strenght at Yield	26 Mpa
Tensile strenght at break	27 MPa
Elongation at break	> 520 %
VICAT (Softening temperature) 9.8N	70 ºC
Thermal conductivity coeficient (λ)	0.24 w/m·K
HDT Heat deflection temperature at 0.45MPa	45ºC

PRODUCT

Structure	MONOLAYER PP-R
Color	Green RAL 6024 with 4 blue lines
Recyclability	100%
Longitudinal shrinkage	≤2%
Charpy impact resistance at 0ºC	<10% failures
Opacity	Yes
Roughness (k)	0.007 mm
Linear thermal expansion coefficient (α)	0.15 mm/mºC
Internal preassure resistance	
20º 1h 16MPa	No failures
95º 22h 4,3MPa	No failures
95º 165h 3,8MPa	No failures
95º 1000h 3,5MPa	No failures
Thermal stability by pressure test	
110º 8760h 1,9MPa	No failures

S5-SDR11

CODE	NOMINAL DIAMETER (mm) d	INT. DIAMETER (mm) di	THICKNESS (mm) e	WEIGHT (kg/m)	CAPACITY (l/m)
440000003	20	16,2	1,9	0,105	0,206
440000006	25	20,4	2,3	0,165	0,327
440000005	32	26,2	2,9	0,260	0,539
440000004	40	32,6	3,7	0,410	0,835
440000009	50	40,8	4,6	0,620	1,307
440000010	63	51,4	5,8	0,980	2,075
440000011	75	61,4	6,8	1,340	2,961
440000012	90	73,6	8,2	2,000	4,254
440000013	110	90,0	10,0	2,900	6,362
440000014	125	102,2	11,4	3,800	8,203
440000016	160	130,8	14,6	6,300	13,437