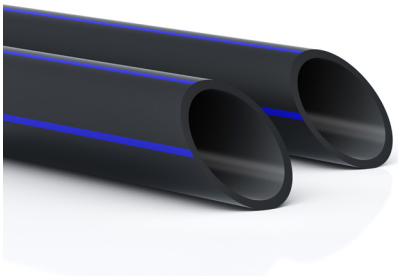
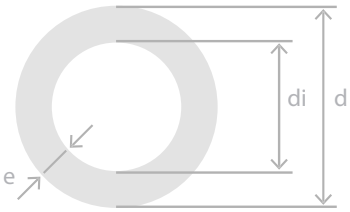


PE-40 VICAMP PIPES
S3,2-SDR7,4 / S5-SDR11 / S8-SDR17

REGULATIONS

UNE EN 12201	Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE)
RP 001.01	Polyethylene (PE) pipes for water supply and pressurized sewerage systems
RD 3/2023	Establishes health criteria for the quality of drinking water



CERTIFICATES

AENOR	Plastic pipes

GENERAL FEATURES

Structure	MONOLAYER
Material	PE-40 VICAMP
Color	Black with blue lines

TECHNICAL FEATURES

PE-40 MATERIAL

Density	932 kg/m3
MFI (190º,5Kg)	0.25 g/10min
Pigment Dispersion	≤ 3.0 mg/kg
Carbon Black Content	2.1-2.5 %
Resistance to longitudinal forces	10 Mpa
Tensile strenght at break	22 MPa
Elongation at break	> 600 %
Modulus of elasticity	800 Mpa
VICAT (Softening temperature) 9.8N	98 ºC
Thermal conductivity coeficient (λ)	0.35 w/mk
T.I.O (210ºC)	≥ 0.20 min

PRODUCT

Structure			MONOLAYER LDPE
Color			Black with 4 blue lines
Ultraviolet protection			Yes
Longitudinal shrinkage			≤3%
Elongation at break			≥350%
MFI (190º,5Kg)			±20% with respect to the compound
Opacity			Yes
Internal pressure resistance			
	20º	**100h**	**7MPa** No failures
	80º	**165h**	**2.5MPa** No failures
	80º	**1000h**	**2MPa** No failures
Linear thermal expansion coefficient (α)			0.170 mm/mºC
Roughness (k)			0.003 mm

S3,2-SDR7,4-PN10

CODE	LENGTH (m)	NOMINAL DIAMETER (mm) d	INT. DIAMETER (mm) di	THICKNESS (mm) e	WEIGHT (kg/m)	CAPACITY (l/m)
102502010	50	20	14,0	3,0	0,16	0,154
102502510	50	25	18,0	3,5	0,24	0,254
102503210	50	32	23,2	4,4	0,39	0,423
102504010	50	40	29,0	5,5	0,62	0,661
102505010	50	50	36,2	6,9	0,96	1,029
102006310	50	63	45,8	8,6	1,51	1,647
102002010	100	20	14,0	3,0	0,16	0,154
102002510	100	25	18,0	3,5	0,23	0,254
102003210	100	32	23,2	4,4	0,37	0,423
102004010	100	40	29,0	5,5	0,59	0,661

S5-SDR11-PN6

CODE	NOMINAL DIAMETER (mm) d	INT. DIAMETER (mm) di	THICKNESS (mm) e	WEIGHT (kg/m)	CAPACITY (l/m)
102002006	20	16,0	2,0	0,11	0,201
102002506	25	20,4	2,3	0,16	0,327
102003206	32	26,0	3,0	0,27	0,531
102004006	40	32,6	3,7	0,42	0,835
102005006	50	40,8	4,6	0,65	1,307

S8-SDR17-PN4

CODE	NOMINAL DIAMETER (mm) d	INT. DIAMETER (mm) di	THICKNESS (mm) e	WEIGHT (kg/m)	CAPACITY (l/m)
102003204	32	28,0	2,0	0,18	0,616
102004004	40	35,2	2,4	0,28	0,973