PROPERTIES

All-plastic pipe in a proective / corrugated pipe

MPP PE-Xc / EVOH / PE-Xc

Outer pipe diameter [mm]	14.0	16.0	20.0	25.0
Pipe wall thickness [mm]	2.0	2.0	2.0	2.3
Inner pipe diameter [mm]	10.0	12.0	16.0	20.4
Smallest bending radius [mm] without bending device: 5D	70	80	100	125
Smallest bending radius [mm] with bending device: 2D	28	32	40	50
Density [g / cm³]	0.940	0.940	0.940	0.940
Weight per meter [g / m]	74	87	112	162
Water content [liter / m]	0.079	0.113	0.201	0.327
Linear expansion coefficient [mm / m K]	0.200	0.200	0.200	0.200
Thermal resistance [m² K / W]	0.0049	0.0049	0.0049	0.0056
Thermal conductivity [W / m K]	0.41	0.41	0.41	0.41
Maximum operating temperature, over 50 years [°C]	70	70	70	70
Maximum operating temperature, max. 1 year [°C]	90	90	90	90
Emercency operating temperature, max. 100 hrs [°C]	100	100	100	100
Maximum operating pressure, over 50 years [bar]	8	8	6	6
Surface roughness [mm]	0.007	0.007	0.007	0.007
Oxygen permeability [g / m³ d]	< 0.1	< 0.1	< 0.1	< 0.1