

Total XT10 N Natural HDPE, pipe

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

Material Notes:

Applications: Potable water, industrial and mining, sewer and sewer relining, gas and oil gathering, general pipe relining, pipe coating
Information provided provided by Total Petrochemicals.Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-XT10-N-Natural-HDPE-pipe.php

Physical Properties	Metric	English	Comments
Density	0.949 g/cc	0.0343 lb/in ³	ISO 1183
High Load Melt Index	7.5 g/10 min @Load 21.6 kg	7.5 g/10 min @Load 47.6 lb	ASTM D 1238

Mechanical Properties	Metric	English	Comments
PENT	>= 3000 hour	>= 3000 hour	ASTM F 1473
Tensile Strength, Yield	>= 24.1 MPa	>= 3500 psi	ASTM D 638 type IV
Elongation at Break	>= 800 %	>= 800 %	ASTM D 638 type IV
Flexural Modulus	1.03 GPa	150 ksi	ASTM D 790
Izod Impact, Notched	4.27 J/cm @Thickness 3.17 mm	8.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Hydrostatic Design Basis	11.0 MPa @Temperature 23.0 °C	1600 psi @Temperature 73.4 °F	ASTM D 2837

Thermal Properties	Metric	English	Comments
CTE, linear	180 µm/m-°C @Temperature 20.0 °C	100 µin/in-°F @Temperature 68.0 °F	ASTM D 696
Melting Point	131 °C	268 °F	ASTM D3417
Deflection Temperature at 0.46 MPa (66 psi)	77.8 °C	172 °F	ASTM D 648
Vicat Softening Point	124 °C	255 °F	ASTM D 1525
Brittleness Temperature	-118 °C	-180 °F	ASTM D 746

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