

Total HDPE XT25N High Density Polyethylene, Pipe Resin

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

Material Notes:

Polyethylene: High molecular weight, bimodal pipe resin. PPI TR4 designation PE4710 /PE100 for demanding installations. Every batch certified to meet 2500 hrs PENT according to ASTM F1473.Characteristics:Outstanding high temperature creep rupture strengthExceptional slow crack growth resistance certified as exceeding 2500 hrs PENTExcellent resistance to rapid crack propagationNSF certified to D2513 (gas), CSA B137.4 (gas), CSA B137.1 (water) and CSA C448 (geothermal)NSF Standard 14/61 CertifiedFDA CompliantApplications:Gas distributionPotable waterGeothermalIndustrial miningSewer and sewer reliningGas and oil gatheringGeneral pipe reliningPipe coatingInformation provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-XT25N-High-Density-Polyethylene-Pipe-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.949 g/cc	0.949 g/cc	ASTM D792
Melt Flow	7.5 g/10 min @Load 21.6 kg, Temperature 190 °C	7.5 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
PENT	>= 2500 hour	>= 2500 hour	ASTM F1473
Tensile Strength, Yield	>= 24.1 MPa	>= 3500 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	1.03 GPa @Strain 2.00 %	150 ksi @Strain 2.00 %	ASTM D790
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	6.89 MPa @Temperature 60.0 °C	1000 psi @Temperature 140 °F	ASTM D2837
	11.0 MPa @Temperature 22.8 °C	1600 psi @Temperature 73.0 °F	ASTM D2837

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	ASTM D3417
Heat Distortion Temperature	77.8 °C	172 °F	ASTM D648

Thermal Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Cell Classification	445574, 445576	ASTM D3350	
Minimum Required Strength	10 MPa	ISO 9080	
Notched Pipe Test	>500 hrs	ISO 13479	
Pipe Test Category	CEC	ASTM D2239	
Resistance to Rapid Crack Propagation	>12 bar	ISO 13477, S4, Critical Pressure, 0°C	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China