

Total HDPE XT10B High Density Polyethylene, Pipe Resin

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

Material Notes:

Polyethylene: HDPE Bimodal PE4710 pipe resin (Black) Characteristics: Outstanding high temperature creep rupture strength Outstanding slow crack growth resistance Excellent resistance to rapid crack propagation NSF certified to D2513 (gas), CSA B137.4 (gas), CSA B137.1 (water) and CSA C448 (geothermal) NSF Standard 14/61 Certified Applications: Gas distribution Potable water Molded fittings Industrial & mining Gas and oil gathering General pipe relining Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-XT10B-High-Density-Polyethylene-Pipe-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.958 g/cc	0.958 g/cc	ASTM D792
Carbon Black Loading	2.5 %	2.5 %	ASTM D1603
Melt Flow	0.20 g/10 min	0.20 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	7.0 g/10 min	7.0 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
PENT	>= 1000 hour	>= 1000 hour	ASTM F1473
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
	@Strain 1.00 %	@Strain 1.00 %	
Hydrostatic Design Basis	6.89 MPa	1000 psi	ASTM D2837
	@Temperature 60.0 °C	@Temperature 140 °F	
	11.0 MPa	1600 psi	ASTM D2837
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	130 - 132 °C	266 - 270 °F	ASTM D3417

Descriptive Properties	Value	Comments
Cell Classification	445574C, 445576C	ASTM D3350
Minimum Required Strength	10 MPa	ISO 9080/ISO 12162
Pipe Test Category	CEC	ASTM D2513

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