

Total HP 401N Natural HDPE, pipe

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

Material Notes:

Applications: Potable water, gas distribution, industrial and mining, sewer and sewer relining, gas and oil gathering, fiber optic innerduct, general pipe relining. 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-HP-401N-Natural-HDPE-pipe.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	ASTM D 792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	No failures; ASTM D1693 cond. C 100% Igepal
Melt Flow	0.080 g/10 min	0.080 g/10 min	ASTM D 1238
	@Load 2.16 kg	@Load 4.76 lb	
	0.34 g/10 min	0.34 g/10 min	ASTM D 1238
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	7.0 g/10 min	7.0 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
PENT	>= 100 hour	>= 100 hour	ASTM F 1473
Hardness, Shore D	63	63	ASTM D 2240
Tensile Strength, Yield	>= 22.8 MPa	>= 3300 psi	ASTM D 638 type IV
Elongation at Break	>= 800 %	>= 800 %	ASTM D 638 type IV
Flexural Modulus	0.862 GPa	125 ksi	ASTM D 790
Izod Impact, Notched	5.87 J/cm	11.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Hydrostatic Design Basis	11.0 MPa	1600 psi	ASTM D 2837
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	258 °F	ASTM D3417

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