

Total Finathene® 3802N Natural HDPE pipe grade (discontinued **)

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

Material Notes:

Applications: Natural gas distribution, extruded pipes, molded fittings, pipe coating, pipe lining
Information provided provided by Total Petrochemicals.Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Finathene-3802N-Natural-HDPE-pipe-grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.939 g/cc	0.0339 lb/in ³	ASTM D 792
High Load Melt Index	20 g/10 min @Load 21.6 kg	20 g/10 min @Load 47.6 lb	ASTM D 1238

Mechanical Properties	Metric	English	Comments
PENT	>= 5000 hour	>= 5000 hour	ASTM F 1473
Hardness, Shore D	65	65	ASTM D 2240
Tensile Strength at Break	27.6 MPa	4000 psi	ASTM D 638 type IV
Tensile Strength, Yield	>= 17.9 MPa	>= 2600 psi	ASTM D 638 type IV
Elongation at Break	>= 700 %	>= 700 %	ASTM D 638 type IV
Flexural Modulus	0.703 GPa	102 ksi	ASTM D 790
Hydrostatic Design Basis	8.62 MPa @Temperature 23.0 °C	1250 psi @Temperature 73.4 °F	ASTM D 2837

Thermal Properties	Metric	English	Comments
CTE, linear	216 µm/m-°C @Temperature 20.0 °C	120 µin/in-°F @Temperature 68.0 °F	ASTM D 696
Melting Point	126 °C	259 °F	ASTM D3417
Vicat Softening Point	127 °C	260 °F	ISO 306

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