

Total Finathene® 3407B Black HDPE pipe grade (discontinued **)

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

Material Notes:

Applications: industrial and mining gas distribution, potable water, sewer and sewer relining, gas and oil gathering, fiber optic innerduct, general pipe relining. 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-3407B-Black-HDPE-pipe-grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	ASTM D 792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	No failures, compressed ring, 25% Igepal; ASTM F 1248
	>= 5000 hour	>= 5000 hour	No failures; ASTM D 1693 cond. C
Carbon Black Loading	2.5 %	2.5 %	ASTM D 1603
Melt Flow	0.38 g/10 min	0.38 g/10 min	ASTM D 1238
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	11 g/10 min	11 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
PENT	>= 400 hour	>= 400 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
Secant Modulus	0.793 GPa	115 ksi	2% Strain; ASTM D 638 type IV
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	ASTM D256 A
	@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
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Thermal Properties CTE, linear	Metric 100 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	English 100 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	Comments ASTM D 696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	126 °C	258 °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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