

Total CD 471 HDPE conduit

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

Material Notes:

Applications: Wire and cable conduit, fiber optic innerduct
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-CD-471-HDPE-conduit.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	ASTM D 792
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	ASTM D1693 cond. B 10% Igepal
	>= 1000 hour	>= 1000 hour	ASTM D1693 cond. C 100% Igepal
Melt Flow	0.28 g/10 min	0.28 g/10 min	ASTM D 1238
	@Load 2.16 kg	@Load 4.76 lb	
High Load Melt Index	20 g/10 min	20 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D 2240
Tensile Strength, Yield	>= 22.8 MPa	>= 3300 psi	ASTM D 638 type IV
Elongation at Break	>= 600 %	>= 600 %	ASTM D 638 type IV
Flexural Modulus	0.793 GPa	115 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
CTE, linear	180 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	100 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ASTM D 696
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Melting Point	126 $^\circ\text{C}$	259 $^\circ\text{F}$	ASTM D3417

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