

Total Finathene® DF 210 HDPE resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , MDPE , Medium Density Polyethylene (MDPE), Extruded

Material Notes:

Applications: Irrigation tape and tubing 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-DF-210-HDPE-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D 792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	ASTM D1693 cond. B 100% Igepal
Melt Flow	0.28 g/10 min @Load 2.16 kg	0.28 g/10 min @Load 4.76 lb	ASTM D 1238
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
Film Tensile Strength at Yield, MD	>= 21.4 MPa	>= 3100 psi	ASTM D 882 A
Film Tensile Strength at Yield, TD	>= 21.4 MPa	>= 3100 psi	ASTM D 882 A
Film Elongation at Break, MD	500 %	500 %	ASTM D 882 A
Film Elongation at Break, TD	600 %	600 %	ASTM D 882 A
Elmendorf Tear Strength MD	50 g	50 g	ASTM D 1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D 1922
Dart Drop Test	130 g	0.287 lb	ASTM D 1709 A
Film Tensile Strength at Break, MD	42.1 MPa	6100 psi	ASTM D 882A
Film Tensile Strength at Break, TD	42.1 MPa	6100 psi	ASTM D 882A

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	ASTM D3417

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