

NOVA Chemicals Novapol® HE-D250A HDPE Extrusion Resin (discontinued **)

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

Material Notes:

Features: Excellent ESCR and toughness, good processability.Applications: conduit, corrugated pipe.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HE-D250A-HDPE-Extrusion-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 1500 hour	>= 1500 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	12.5 g/10 min @Load 2.16 kg, Temperature 190 °C	12.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength, Ultimate	33.0 MPa	4790 psi	ASTM D638
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D638
Tensile Modulus	0.990 GPa	144 ksi	Secant; ASTM D638
Flexural Modulus	1.05 GPa	152 ksi	Tangent; ASTM D790
Izod Impact, Notched	2.20 J/cm	4.12 ft-lb/in	Notched/Unnotched not specified; ASTM D256
Tensile Impact Strength	325 kJ/m ²	155 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	ASTM D3417
Vicat Softening Point	121 °C	250 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 220 °C	410 - 428 °F	

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