

NOVA Chemicals Sclair® 35BP HDPE Extrusion Resin, 2.2% Carbon Black Filled (discontinued **)

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

Material Notes:

Features: Excellent ESCR, medium molecular weight, good processability, excellent long term thermal stability, good chemical resistance, excellent UV stability. Applications: Extrusion on to metal pipes to produce a corrosion resistant coating for buried pipe systems. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-35BP-HDPE-Extrusion-Resin-22-Carbon-Black-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	Base Density
Water Absorption	0.010 %	0.010 %	ASTM D570
Environmental Stress Crack Resistance	1000 hour	1000 hour	
Melt Flow	0.32 g/10 min @Load 2.16 kg, Temperature 190 °C	0.32 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	26.0 MPa	3770 psi	ASTM D638
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D638
Flexural Modulus	0.590 GPa	85.6 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	129 °C	264 °F	ASTM D3417
Vicat Softening Point	122 °C	252 °F	ASTM D1525
Brittleness Temperature	<= -100 °C	<= -148 °F	ASTM D696

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