

NOVA Chemicals Sclair® 35BE HDPE Extrusion Resin (discontinued **)

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

Material Notes:

Features: Medium molecular weight HDPE, excellent ESCR, excellent toughness, good processability, outstanding abrasion resistance. 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-35BE-HDPE-Extrusion-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	F50, condition B; ASTM D1693
Melt Flow	0.38 g/10 min @Load 2.16 kg, Temperature 190 °C	0.38 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, Yield	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.565 GPa	81.9 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	<= -70.0 °C	<= -94.0 °F	ASTM D696

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Surface Resistance	1.00e+17 ohm	1.00e+17 ohm	insulation resistance
Dielectric Constant	2.34	2.34	ASTM 1531
Dissipation Factor	0.00010	0.00010	ASTM 1531

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 230 °C	410 - 446 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China