

NOVA Chemicals Sclair® 96A HDPE Extrusion Resin (discontinued **)

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

Material Notes:

Features: Excellent processability, excellent stretchability, superior strength, gel free. Applications: Oriented tapes for industrial woven bags and tarpaulins, monoaxial oriented films. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-96A-HDPE-Extrusion-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	ASTM D792
Apparent Bulk Density	0.600 g/cc	0.0217 lb/in ³	
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F0, ASTM D1693
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 190 °C	0.40 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	25.0 MPa	3630 psi	ASTM D638
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	950 %	950 %	ASTM D638
Flexural Modulus	0.500 GPa	72.5 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	253 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

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

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