

NOVA Chemicals Sclair® 94D1 HDPE Extrusion Resin (discontinued **)

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

Material Notes:

Features: Excellent processability, high stretchability, excellent strength. Applications: Package nettings for produce, Christmas tree wrap and turkey overwrap. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-94D1-HDPE-Extrusion-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D792
Apparent Bulk Density	0.580 g/cc	0.0210 lb/in ³	
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F0, ASTM D1693
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 190 °C	1.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ASTM D2240
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Tensile Strength, Yield	15.0 MPa	2180 psi	ASTM D638
Elongation at Break	1000 %	1000 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	Fisher-Johns
Vicat Softening Point	111 °C	232 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

Processing Properties	Metric	English	Comments
Melt Temperature	205 °C	401 °F	

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