

NOVA Chemicals Sclair® 97B HDPE Blow Molding Resin (discontinued **)

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

Material Notes:

Features: Good impact strength, easy processability, high ESCR.Applications: Small part blow molding, high ESCR HIC applications.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-97B-HDPE-Blow-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	200 hour	200 hour	F50, Condition A, ASTM D1693
Melt Flow	0.67 g/10 min @Load 2.16 kg, Temperature 190 °C	0.67 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64.6	64.6	ASTM D2240
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Break	1000 %	1000 %	ASTM D638
Flexural Modulus	0.758 GPa	110 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	160 - 205 °C	320 - 401 °F	

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