

NOVA Chemicals Sclair® 2709 HDPE Injection Molding Resin

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

Material Notes:

Features: Excellent cold temperature toughness, high stiffness. Applications: Housewares, containers, pails, closures. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2709-HDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	<= 10 hour	<= 10 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	14 g/10 min @Load 2.16 kg, Temperature 190 °C	14 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	23.0 MPa	3340 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	121 °C	250 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 215 °C	338 - 419 °F	

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