

NOVA Chemicals Sclair® 2508-UV9 MDPE Injection Molding Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

Features: Excellent processability for applications requiring stiffness and toughness, good cold temperature impact properties. Applications: Roll-out cart lids. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2508-UV9-MDPE-Injection-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	30 hour	30 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 190 °C	11 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Flexural Modulus	0.600 GPa	87.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	119 °C	246 °F	ASTM D1525

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

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