

**NOVA Chemicals Sclair® 8111 LLDPE Injection Molding Resin (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

**Material Notes:**

Features: Good processability, excellent impact resistance, excellent flexibility and freedom from warpage. Applications: Automotive splash-guards, large containers, closures and lids for food applications. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-8111-LLDPE-Injection-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-8111-LLDPE-Injection-Molding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in <sup>3</sup>	ASTM D792
Environmental Stress Crack Resistance	<= 10 hour	<= 10 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	19 g/10 min @Load 2.16 kg, Temperature 190 °C	19 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	850 %	850 %	ASTM D638
Flexural Modulus	0.345 GPa	50.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525

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

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