

**NOVA Chemicals Sclair® 2514 MDPE Injection Molding Resin (discontinued \*\*)**

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

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-2514-MDPE-Injection-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2514-MDPE-Injection-Molding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D792
Melt Flow	43 g/10 min @Load 2.16 kg, Temperature 190 °C	43 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	36.0 cm	14.2 in	NOVA Snake Flow Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength, Yield	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Modulus	0.760 GPa	110 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	113 °C	235 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

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

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