

**NOVA Chemicals Sclair® 72A Butene Copolymer LLDPE Injection Molding Resin**

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

**Material Notes:**

72A complies with the U.S. FDA specifications for olefin polymers and may thus be used in the United States as an article or component of an article intended for use in contact with food. 72A is subject to the specific limitation that it may not be used in articles used for packing or holding food during cooking. NOVA Chemicals' polyethylene resins are chemically and biologically inert. Features: Good processability, Excellent impact resistance, Outstanding flexibility and warpage resistance, Good organoleptic properties and natural color. Additives: Antioxidant. Applications: Housewares, Flexible food packaging lids, Caps and closures, Compounding

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-72A-Butene-Copolymer-LLDPE-Injection-Molding-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-72A-Butene-Copolymer-LLDPE-Injection-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.720 g/cc	0.0260 lb/in <sup>3</sup>	ASTM D 792
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	ASTM D 792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ASTM D 2240
Tensile Strength at Break	9.00 MPa	1310 psi	50 mm/min test speed; ASTM D 638
Tensile Strength, Yield	12.4 MPa	1800 psi	50 mm/min test speed; ASTM D 638
Elongation at Break	550 %	550 %	50 mm/min test speed; ASTM D 638
Flexural Modulus	0.375 GPa	54.4 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D 1525

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

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