

**NOVA Chemicals Sclair® D916-39 HDPE Extrusion Resin (discontinued \*\*)**

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

**Material Notes:**

Features: Excellent processability, excellent stretchability, high stiffness, superior strength, gel free, excellent UV resistance. Applications: Industrial woven bags, tarpaulins. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-D916-39-HDPE-Extrusion-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-D916-39-HDPE-Extrusion-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.961 g/cc	0.0347 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.610 g/cc	0.0220 lb/in <sup>3</sup>	
Melt Flow	0.38 g/10 min @Load 2.16 kg, Temperature 190 °C	0.38 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	1000 %	1000 %	ASTM D638
Flexural Modulus	0.840 GPa	122 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

Processing Properties	Metric	English	Comments
Melt Temperature	175 - 230 °C	347 - 446 °F	

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