

## NOVA Chemicals Sclair® 31E LLDPE Extrusion Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Extrusion Grade

### Material Notes:

Features: Excellent tensile properties, excellent impact toughness, outstanding gloss and clarity, excellent processability. Applications: Coating and sheathing. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-31E-LLDPE-Extrusion-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-31E-LLDPE-Extrusion-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.580 g/cc	0.0210 lb/in <sup>3</sup>	
Melt Flow	11.5 g/10 min @Load 2.16 kg, Temperature 190 °C	11.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ASTM D2240
Tensile Strength, Ultimate	12.4 MPa	1800 psi	ASTM D638
Tensile Strength, Yield	10.3 MPa	1490 psi	ASTM D638
Elongation at Break	725 %	725 %	ASTM D638
Flexural Modulus	0.310 GPa	45.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	91.0 °C	196 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.00e+17 ohm-cm	5.00e+17 ohm-cm	ASTM D257
Dielectric Constant	2.27	2.27	ASTM 1531
Dissipation Factor	0.00010	0.00010	ASTM 1531

Processing Properties	Metric	English	Comments
Melt Temperature	205 °C	401 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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