

NOVA Chemicals Sclair® 31G Butene Copolymer LLDPE Extrusion Coating Resin

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

Material Notes:

31G 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. 31G 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: Excellent tensile properties, Excellent impact toughness, Excellent processability Additives: Antioxidant package

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-31G-Butene-Copolymer-LLDPE-Extrusion-Coating-Resin.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM D 792
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 D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D 2240
Tensile Strength, Yield	10.2 MPa	1480 psi	ASTM D 638
Elongation at Break	600 %	600 %	ASTM D 638
Flexural Modulus	0.335 GPa	48.6 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D 1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D 746

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