

NOVA Chemicals Sclair® 11Q4 Butene LLDPE Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

Material Notes:

Film Properties. Features: Low gel, high clarity, good seal characteristics. Applications: Liquid packaging, specialty blending, general purpose sealant. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-11Q4-Butene-LLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D792
Melt Flow	0.72 g/10 min @Load 2.16 kg, Temperature 190 °C	0.72 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	800 %	800 %	ASTM D882
Film Elongation at Break, TD	800 %	800 %	ASTM D882
Secant Modulus, MD	0.220 GPa	31.9 ksi	ASTM D882
Secant Modulus, TD	0.210 GPa	30.5 ksi	ASTM D882
Coefficient of Friction	0.20	0.20	ASTM D1894
Elmendorf Tear Strength, MD	5.00 g/micron	127 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	12.0 g/micron	305 g/mil	ASTM D1922
Dart Drop	4.00 g/micron	102 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ASTM D882
Film Tensile Strength at Break, TD	31.0 MPa	4500 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D696

Optical Properties	Metric	English	Comments
Haze	8.0 % @Thickness 0.0250 mm	8.0 % @Thickness 0.000984 in	ASTM D1003
Gloss	56 %	56 %	45°; 1 mil; ASTM D1894

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 230 °C	428 - 446 °F	

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