

NOVA Chemicals Sclair® 11D1 Butene LLDPE Film Resin (discontinued **)

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

Material Notes:

Film Properties. Features: Strength and toughness, good sealing properties, suitable for narrow die gaps. Applications: Industrial packaging, heavy duty sacks. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-11D1-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	0.57 g/10 min @Load 2.16 kg, Temperature 190 °C	0.57 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	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	830 %	830 %	ASTM D882
Secant Modulus, MD	0.200 GPa	29.0 ksi	ASTM D882
Secant Modulus, TD	0.220 GPa	31.9 ksi	ASTM D882
Coefficient of Friction	>= 0.50	>= 0.50	ASTM D1894
Elmendorf Tear Strength, MD	6.00 g/micron	152 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	32.0 MPa	4640 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525

Optical Properties	Metric	English	Comments
	9.0 %	9.0 %	

Optical Properties	Metric @ Thickness 0.0250 mm	English @ Thickness 0.000984 in	Comments ASTM D1894
Gloss	55 %	55 %	45°; 1 mil; ASTM D1894

Processing Properties	Metric	English	Comments
Melt Temperature	195 - 220 °C	383 - 428 °F	

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