

NOVA Chemicals Sclair® 11B4 Octene LLDPE Film Resin (discontinued **)

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

Material Notes:

Film Properties. Features: Low gel, excellent seal characteristics, easy processability. Applications: Specialty lamination, co-extrusion. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-11B4-Octene-LLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D792
Melt Flow	0.77 g/10 min @Load 2.16 kg, Temperature 190 °C	0.77 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ASTM D2240
Film Tensile Strength at Yield, MD	9.00 MPa	1310 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	730 %	730 %	ASTM D882
Secant Modulus, MD	0.208 GPa	30.2 ksi	ASTM D882
Secant Modulus, TD	0.207 GPa	30.0 ksi	ASTM D882
Coefficient of Friction	0.20	0.20	ASTM D1894
Elmendorf Tear Strength, MD	12.0 g/micron	305 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.0 g/micron	533 g/mil	ASTM D1922
Dart Drop	6.00 g/micron	152 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	34.0 MPa	4930 psi	ASTM D882
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	104 °C	219 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 220 °C	410 - 428 °F	

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