

NOVA Chemicals Sclair® 11J1 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 hermetic heat sealability, easy processability, high toughness and strength.Applications: Sealant web in food packaging, vacuum packaging, barrier applications, etc.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-11J1-Octene-LLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D792
Melt Flow	0.95 g/10 min @Load 2.16 kg, Temperature 190 °C	0.95 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
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	675 %	675 %	ASTM D882
Film Elongation at Break, TD	880 %	880 %	ASTM D882
Secant Modulus, MD	0.176 GPa	25.5 ksi	ASTM D882
Secant Modulus, TD	0.200 GPa	29.0 ksi	ASTM D882
Coefficient of Friction	0.80	0.80	ASTM D1894
Elmendorf Tear Strength, MD	18.0 g/micron	457 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.0 g/micron	610 g/mil	ASTM D1922
Dart Drop	7.00 g/micron	178 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	41.0 MPa	5950 psi	ASTM D882
Film Tensile Strength at Break, TD	33.0 MPa	4790 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	10 % @Thickness 0.0250 mm	10 % @Thickness 0.000984 in	ASTM D1003
Gloss	58 %	58 %	45°; 1 mil; ASTM D1894

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

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