

NOVA Chemicals Sclair® 14L1 Octene LMDPE Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Film

Material Notes:

Low gel, Good clarity, Excellent sealing characteristics
 Applications: Lamination, Co-extrusion
 Additives: Process stabilizer, polymer process aid
 Film properties are typical of blown film extruded at a blowup ratio of 2.5:1, but are dependent upon operating conditions.
 Information provided by NOVA Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-14L1-Octene-LMDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D792
Thickness	25.0 - 75.0 microns	0.984 - 2.95 mil	
Melt Flow	0.96 g/10 min @Load 2.16 kg, Temperature 190 °C	0.96 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Film Tensile Strength at Yield, MD	17.0 MPa	2470 psi	ASTM D882
Film Tensile Strength at Yield, TD	18.0 MPa	2610 psi	ASTM D882
Film Elongation at Break, MD	800 %	800 %	ASTM D882
Film Elongation at Break, TD	1000 %	1000 %	ASTM D882
Coefficient of Friction	0.50	0.50	ASTM D1894
Elmendorf Tear Strength, MD	4.00 g/micron	102 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.00 g/micron	152 g/mil	ASTM D1922
Dart Drop	2.00 g/micron	50.8 g/mil	F₅₀, ASTM D1709/A
Film Tensile Strength at Break, MD	34.0 MPa	4930 psi	ASTM D882
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	122 °C	252 °F	ASTM D1525

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments # D1003
Gloss	58 %	58 %	at 45°; 1 mil; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 230 °C	428 - 446 °F	
Die Opening	0.0900 - 0.220 cm	0.0354 - 0.0866 in	

Descriptive Properties	Value	Comments
Blow Up Ratio	2:1 to 3:1	

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