

## NOVA Chemicals Sclair® 14J1 Octene LMDPE Film Resin (discontinued \*\*)

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

### Material Notes:

Film Properties. Features: Low gel, good clarity, high strength and toughness. Applications: Produce film. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-14J1-Octene-LMDPE-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-14J1-Octene-LMDPE-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in <sup>3</sup>	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
Hardness, Shore D	65	65	ASTM D2240
Film Tensile Strength at Yield, MD	15.0 MPa	2180 psi	ASTM D882
Film Tensile Strength at Yield, TD	17.0 MPa	2470 psi	ASTM D882
Film Elongation at Break, MD	650 %	650 %	ASTM D882
Film Elongation at Break, TD	820 %	820 %	ASTM D882
Secant Modulus, MD	0.400 GPa	58.0 ksi	ASTM D882
Secant Modulus, TD	0.500 GPa	72.5 ksi	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	14.0 g/micron	356 g/mil	ASTM D1922
Dart Drop	3.00 g/micron	76.2 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ASTM D882
Film Tensile Strength at Break, TD	39.0 MPa	5660 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	253 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

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

## Contact Songhan Plastic Technology Co.,Ltd.

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