

NOVA Chemicals Sclair® 13J7 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, high clarity.Applications: Film.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-13J7-Octene-LMDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in³	ASTM D792
Melt Flow	0.95 g/10 min	0.95 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	15.0 MPa	2180 psi	ASTM D882
Film Tensile Strength at Yield, TD	18.0 MPa	2610 psi	ASTM D882
Film Elongation at Break, MD	744 %	744 %	ASTM D882
Film Elongation at Break, TD	980 %	980 %	ASTM D882
Secant Modulus, MD	0.380 GPa	55.1 ksi	ASTM D882
Secant Modulus, TD	0.450 GPa	65.3 ksi	ASTM D882
Coefficient of Friction	>= 0.40	>= 0.40	ASTM D1894
Elmendorf Tear Strength, MD	3.00 g/micron	76.2 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.0 g/micron	457 g/mil	ASTM D1922
Dart Drop	4.00 g/micron	102 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM D882
Film Tensile Strength at Break, TD	44.0 MPa	6380 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	8.9 %	8.9 %	ASTM D1003
	@Thickness 0.0250 mm	@Thickness 0.000984 in	
Gloss	58 %	58 %	45°; 1 mil; ASTM D1894

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

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