

NOVA Chemicals Sclair® 11C1 Octene LLDPE Film Resin (discontinued **)

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

Material Notes:

Low gel, Good processability, Excellent mechanical properties
Applications: Shrink film
Additives: Process stabilizer
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-11C1-Octene-LLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D792
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 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	9.00 MPa	1310 psi	ASTM D882
Film Elongation at Break, MD	540 %	540 %	ASTM D882
Film Elongation at Break, TD	990 %	990 %	ASTM D882
Secant Modulus, MD	0.165 GPa	23.9 ksi	at 1%; ASTM D882
Secant Modulus, TD	0.170 GPa	24.7 ksi	at 1%; ASTM D882
Impact	125	125	J/mm; NOVA Chemicals Puncture test
Coefficient of Friction	0.70	0.70	ASTM D1894
Elmendorf Tear Strength, MD	24.0 g/micron	610 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	26.0 g/micron	660 g/mil	ASTM D1922
Dart Drop	8.00 g/micron	203 g/mil	F₅₀, ASTM D1709/A
Film Tensile Strength at Break, MD	56.0 MPa	8120 psi	ASTM D882
Film Tensile Strength at Break, TD	47.0 MPa	6820 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	Optical properties are quoted prior to biaxial orientation; ASTM D1003

Optical Properties	Metric	English	Comments
Gloss	88 %	88 %	at 45 ° Optical properties are quoted prior to biaxial orientation; ASTM D2457

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