

NOVA Chemicals Sclair® 10A Octene VLDPE Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Very Low Density Polyethylene (VLDPE)

Material Notes:

Film Properties. Features: Low gel, excellent sealability, easy processability, excellent clarity. Applications: Blending resin for improved toughness. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-10A-Octene-VLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.911 g/cc	0.0329 lb/in ³	ASTM D792
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	6.00 MPa	870 psi	ASTM D882
Film Tensile Strength at Yield, TD	5.00 MPa	725 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	940 %	940 %	ASTM D882
Secant Modulus, MD	0.0680 GPa	9.86 ksi	ASTM D882
Secant Modulus, TD	0.0800 GPa	11.6 ksi	ASTM D882
Coefficient of Friction	>= 1.0	>= 1.0	ASTM D1894
Elmendorf Tear Strength, MD	13.0 g/micron	330 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.0 g/micron	533 g/mil	ASTM D1922
Dart Drop	6.00 g/micron	152 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	34.0 MPa	4930 psi	ASTM D882
Film Tensile Strength at Break, TD	27.0 MPa	3920 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.0 % @Thickness 0.0250 mm	1.0 % @Thickness 0.000984 in	ASTM D1003
Gloss	92 %	92 %	45°; 1 mil; ASTM D1894

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 °C	500 - 554 °F	

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