

NOVA Chemicals Sclair® 10B 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, excellent dart impact, excellent clarity. Applications: Co-extrusion. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-10B-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	0.77 g/10 min @Load 2.16 kg, Temperature 190 °C	0.77 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.00 MPa	1020 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.00 MPa	1020 psi	ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	1000 %	1000 %	ASTM D882
Secant Modulus, MD	0.145 GPa	21.0 ksi	ASTM D882
Secant Modulus, TD	0.135 GPa	19.6 ksi	ASTM D882
Coefficient of Friction	>= 1.0	>= 1.0	ASTM D1894
Elmendorf Tear Strength, MD	16.0 g/micron	406 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.0 g/micron	533 g/mil	ASTM D1922
Dart Drop	28.0 g/micron	711 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	46.0 MPa	6670 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	7.0 % @Thickness 0.0250 mm	7.0 % @Thickness 0.000984 in	ASTM D1003
Gloss	60 %	60 %	45°; 1 mil; ASTM D1894

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	215 - 225 °C	419 - 437 °F	

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