

NOVA Chemicals Sclair® 14A Butene MDPE Film Resin (discontinued **)

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

Material Notes:

Film Properties. Features: Low gel, strength and toughness, broad MW distribution.Applications: Co-extrusion, blending.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-14A-Butene-MDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D792
Moisture Vapor Transmission	0.350 cc-mm/m ² -24hr-atm	0.889 cc-mil/100 in ² -24hr-atm	ASTM D1434
Water Vapor Transmission	14.0 g/m ² /day	0.902 g/100 in ² /day	ASTM D1434
Melt Flow	0.27 g/10 min @Load 2.16 kg, Temperature 190 °C	0.27 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Film Tensile Strength at Yield, MD	15.0 MPa	2180 psi	ASTM D882
Film Tensile Strength at Yield, TD	16.0 MPa	2320 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	800 %	800 %	ASTM D882
Secant Modulus, MD	0.410 GPa	59.5 ksi	ASTM D882
Secant Modulus, TD	0.460 GPa	66.7 ksi	ASTM D882
Coefficient of Friction	0.30	0.30	ASTM D1894
Elmendorf Tear Strength, MD	1.00 g/micron	25.4 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	20.0 g/micron	508 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	37.0 MPa	5370 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	112 °C	234 °F	ASTM D1525

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

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