

NOVA Chemicals Sclair® 15A Butene HDPE Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Copolymer Film Grade

Material Notes:

Film Properties. Features: Low gel, good barrier properties, strength and toughness. Applications: Lamination, co-extrusion. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-15A-Butene-HDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D792
Water Vapor Transmission	5.40 g/m ² /day	0.348 g/100 in ² /day	
Oxygen Transmission	65.0 cc-mm/m ² -24hr-atm	165 cc-mil/100 in ² -24hr-atm	or 2600 cc/m ² -atm-24 hr per 25 µm film; 38°C; 90% RH Difference
Oxygen Transmission Rate	2400 cc/m ² /day	155 cc/100 in ² /day	ASTM D1434
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.33 g/10 min @Load 2.16 kg, Temperature 190 °C	0.33 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	21.0 MPa	3050 psi	ASTM D882
Film Tensile Strength at Yield, TD	22.0 MPa	3190 psi	ASTM D882
Film Elongation at Break, MD	430 %	430 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Secant Modulus, MD	0.510 GPa	74.0 ksi	ASTM D882
Secant Modulus, TD	0.690 GPa	100 ksi	ASTM D882
Coefficient of Friction	0.26	0.26	ASTM D1894
Elmendorf Tear Strength, MD	0.600 g/micron	15.2 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	26.0 g/micron	660 g/mil	ASTM D1922
Dart Drop	1.31 g/micron	33.3 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	54.0 MPa	7830 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Impact Break, TD	MPa	ft-lb/in	
Thermal Properties	Metric	English	Comments
Vicat Softening Point	119 °C	246 °F	ASTM D1525
Processing Properties	Metric	English	Comments
Melt Temperature	220 - 230 °C	428 - 446 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China