

NOVA Chemicals Sclair® FP026-F Octene LLDPE Film Resin

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

Material Notes:

Features: Moderate toughness and strength Good stiffness Easy processability Excellent seal properties Applications: Heavy duty shipping sacks requiring moderate toughness and high stiffness Industrial packaging Industrial liners Construction films Automatic packaging film Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-FP026-F-Octene-LLDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	ASTM D792
Thickness	25.4 microns	1.00 mil	
	76.2 microns	3.00 mil	
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.2 MPa	1620 psi	MD, 1 mil; ASTM D882
	12.2 MPa	1770 psi	TD, 1 mil; ASTM D882
	12.2 MPa	1770 psi	TD, 3 mil; ASTM D882
	12.3 MPa	1780 psi	MD, 3 mil; ASTM D882
Elongation at Break	490 %	490 %	MD, 1 mil; ASTM D638
	630 %	630 %	MD, 3 mil; ASTM D882
	680 %	680 %	TD, 3 mil; ASTM D882
	710 %	710 %	TD, 1 mil; ASTM D882
Puncture Energy	0.635 J	0.468 ft-lb	Low Friction Puncture
Elmendorf Tear Strength MD	295 g	295 g	1 mil; ASTM D1922
	1080 g	1080 g	3 mil; ASTM D1922
Elmendorf Tear Strength TD	752 g	752 g	1 mil; ASTM D1922
	1467 g	1467 g	3 mil; ASTM D1922
Dart Drop Test	156 g	0.344 lb	1 mil; ASTM D1709/A

Mechanical Properties	Metric	English	Comments
	45.3 g	0.999 lb	3 mil, ASTM D1709/A
Film Tensile Strength at Break, MD	41.2 MPa	5970 psi	3 mil; ASTM D882
	42.5 MPa	6160 psi	1 mil; ASTM D882
Film Tensile Strength at Break, TD	33.1 MPa	4800 psi	1 mil; ASTM D882
	35.2 MPa	5100 psi	3 mil; ASTM D882
1% Secant Modulus, MD	230.0 MPa	33360 psi	3 mil; ASTM D882
	234.0 MPa	33940 psi	1 mil; ASTM D882
1% Secant Modulus, TD	251 MPa	36400 psi	1 mil; ASTM D882
	260 MPa	37700 psi	3 mil; ASTM D882

Optical Properties	Metric	English	Comments
Haze	13.9 %	13.9 %	1 mil; ASTM D1003
	16.6 %	16.6 %	3 mil; ASTM D1003
Gloss	50 %	50 %	1 mil, at 45°; ASTM D2457
	61 %	61 %	3 mil, at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 230 °C	410 - 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