

NOVA Chemicals Sclair® 19G Homopolymer HDPE Film Resin

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

Material Notes:

Features: Excellent barrier properties High stiffness Good processability Low gel Applications: Barrier films Co-extrusion Dry food packaging Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-19G-Homopolymer-HDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D792
Water Vapor Transmission	2.79 g/m ² /day	0.180 g/100 in ² /day	
Oxygen Transmission Rate	1628 cc/m ² /day	104.8 cc/100 in ² /day	
Thickness	38.0 microns	1.50 mil	
Melt Flow	1.2 g/10 min @Load 2.16 kg, Temperature 190 °C	1.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Film Tensile Strength at Yield, MD	25.0 MPa	3630 psi	ASTM D882
Film Tensile Strength at Yield, TD	23.0 MPa	3340 psi	ASTM D882
Puncture Energy	0.722 J	0.533 ft-lb	Low Friction Puncture
Elmendorf Tear Strength MD	24 g	24 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922
Dart Drop Test	29.0 g	0.0639 lb	F ₅₀ ; ASTM D1709/A
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D882
Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM D882
1% Secant Modulus, MD	839.99 MPa	121830 psi	ASTM D882
1% Secant Modulus, TD	1270 MPa	184200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	129 °C	264 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	41 %	41 %	ASTM D1003
Gloss	14 %	14 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 230 °C	392 - 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