

Huntsman PE1451 EVA Film Extrusion (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

4.5% Vinyl Acetate EVA copolymer and FDA compliant
Features: Excellent balance of optical and strength, toughness and flexibility at low temperatures, and good heat seal characteristic.
Applications: Film extrusion: frozen food and general purpose packaging where toughness is required.
FDA Notes: Conforms to FDA regulation 21 CFR 177.1350 under condition of use C through G described in Table 2 of 21 CFR 176.170
Film properties based on 1.0 guage (25 µm) thickness; blow-up ratio 2:1. Information provided by Huntsman Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-PE1451-EVA-Film-Extrusion-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	46	46	ASTM D2240
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM D638
Film Elongation at Break, MD	180 %	180 %	ASTM D882
Film Elongation at Break, TD	260 %	260 %	ASTM D882
Elongation at Break	1000 %	1000 %	ASTM D638
Modulus of Elasticity	0.235 GPa	34.1 ksi	Secant; ASTM D638
Secant Modulus, MD	0.131 GPa	19.0 ksi	ASTM D882
Secant Modulus, TD	0.145 GPa	21.0 ksi	ASTM D882
Dart Drop	9.84 g/micron	250 g/mil	ASTM D1709
Dart Drop Test	250 g	0.551 lb	ASTM D1709
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	ASTM D1525

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	65 %	65 %	at 45°; ASTM D523

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 215 °C	399 - 419 °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