

## Huntsman PE1651 EVA Film Extrusion (discontinued \*\*)

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

### Material Notes:

6.5% Vinyl Acetate EVA copolymer and FDA compliant  
**Features:** Yields film with outstanding low temperature strength, excellent clarity, and good heat seal.  
**Applications:** Film extrusion: ice bags, liquid packaging, laminations, and heavy-duty packaging.  
**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-PE1651-EVA-Film-Extrusion-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Huntsman-PE1651-EVA-Film-Extrusion-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	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	45	45	ASTM D2240
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Tensile Strength, Yield	8.00 MPa	1160 psi	ASTM D638
Film Elongation at Break, MD	390 %	390 %	ASTM D882
Film Elongation at Break, TD	490 %	490 %	ASTM D882
Elongation at Break	910 %	910 %	ASTM D638
Modulus of Elasticity	0.173 GPa	25.1 ksi	Secant; ASTM D638
Secant Modulus, MD	0.0950 GPa	13.8 ksi	ASTM D882
Secant Modulus, TD	0.115 GPa	16.7 ksi	ASTM D882
Dart Drop	14.0 g/micron	355 g/mil	ASTM D1709
Dart Drop Test	355 g	0.783 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	84.0 °C	183 °F	ASTM D1525

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	63 %	63 %	at 45°; ASTM D523

  

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 210 °C	390 - 410 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China