

Huntsman PE1155 EVA Film Extrusion (discontinued **)

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

Material Notes:

1.5% 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-PE1155-EVA-Film-Extrusion-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|------------|
| Density | 0.923 g/cc | 0.0333 lb/in ³ | ASTM D1505 |
| Thickness | 25.4 microns | 1.00 mil | |
| Melt Flow | 2.0 g/10 min | 2.0 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|---------------|------------|-------------------|
| Hardness, Shore D | 50 | 50 | ASTM D2240 |
| Tensile Strength, Ultimate | 13.0 MPa | 1890 psi | ASTM D638 |
| Tensile Strength, Yield | 9.00 MPa | 1310 psi | ASTM D638 |
| Film Elongation at Break, MD | 300 % | 300 % | ASTM D882 |
| Film Elongation at Break, TD | 550 % | 550 % | ASTM D882 |
| Elongation at Break | 600 % | 600 % | ASTM D638 |
| Modulus of Elasticity | 0.290 GPa | 42.1 ksi | Secant; ASTM D638 |
| Secant Modulus, MD | 0.183 GPa | 26.5 ksi | ASTM D882 |
| Secant Modulus, TD | 0.221 GPa | 32.1 ksi | ASTM D882 |
| Dart Drop | 3.74 g/micron | 95.0 g/mil | ASTM D1709 |
| Dart Drop Test | 95.0 g | 0.209 lb | ASTM D1709 |
| Film Tensile Strength at Break, MD | 23.0 MPa | 3340 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 19.0 MPa | 2760 psi | ASTM D882 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------|---------|------------|
| Vicat Softening Point | 95.0 °C | 203 °F | ASTM D1525 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|-------------------|
| Optical Properties | Metric | English | Comments |
| Haze | 5.0 % | 5.0 % | ASTM D1003 |
| Gloss | 65 % | 65 % | at 45°; ASTM D523 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 185 - 193 °C | 365 - 379 °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