

Huntsman PE1201 EVA Film Extrusion (discontinued **)

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

Material Notes:

2% Vinyl Acetate EVA copolymer and FDA compliant
Features: Good optical, medium impact strength, and good processability.
Applications: Film extrusion: 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-PE1201-EVA-Film-Extrusion-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.926 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	48	48	ASTM D2240
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Elongation at Break	650 %	650 %	ASTM D638
Modulus of Elasticity	0.317 GPa	46.0 ksi	Secant; ASTM D638
Secant Modulus, MD	0.166 GPa	24.1 ksi	ASTM D882
Secant Modulus, TD	0.197 GPa	28.6 ksi	ASTM D882
Dart Drop	6.69 g/micron	170 g/mil	ASTM D1709
Dart Drop Test	170 g	0.375 lb	ASTM D1709
Film Tensile Strength at Break, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	96.0 °C	205 °F	ASTM D1525

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	5.5 %	5.5 %	ASTM D1003
Gloss	65 %	65 %	at 45°; ASTM D523

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 204 °C	374 - 399 °F	

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