

Huntsman PE1501 EVA Film Extrusion (discontinued **)

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

Material Notes:

5% Vinyl Acetate EVA copolymer and FDA compliant

Features: Yields film with excellent impact strength, good heat seal, and good clarity.

Applications: Film extrusion: greenhouse film, heavy-duty packaging, and ice bags.

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-PE1501-EVA-Film-Extrusion-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in³	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	47	47	ASTM D2240
Tensile Strength, Ultimate	17.0 MPa	2470 psi	ASTM D638
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM D638
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Elongation at Break	750 %	750 %	ASTM D638
Modulus of Elasticity	0.207 GPa	30.0 ksi	Secant; ASTM D638
Secant Modulus, MD	0.117 GPa	17.0 ksi	ASTM D882
Secant Modulus, TD	0.138 GPa	20.0 ksi	ASTM D882
Dart Drop	11.0 g/micron	280 g/mil	ASTM D1709
Dart Drop Test	280 g	0.617 lb	ASTM D1709
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 °C	189 °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	204 - 215 °C	399 - 419 °F	

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