

Huntsman PE1203 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: High clarity film with good stiffness and low temperature toughness.
Applications: Film extrusion: food packaging, general purpose packaging that requires low temperature toughness.
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-PE1203-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	48	48	ASTM D2240
Tensile Strength, Ultimate	14.0 MPa	2030 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Film Elongation at Break, MD	470 %	470 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Elongation at Break	560 %	560 %	ASTM D638
Modulus of Elasticity	0.338 GPa	49.0 ksi	Secant; ASTM D638
Secant Modulus, MD	0.163 GPa	23.6 ksi	ASTM D882
Secant Modulus, TD	0.190 GPa	27.6 ksi	ASTM D882
Dart Drop	4.53 g/micron	115 g/mil	ASTM D1709
Dart Drop Test	115 g	0.254 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	4.5 %	4.5 %	ASTM D1003
Gloss	73 %	73 %	at 45°; ASTM D523

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 193 °C	360 - 379 °F	

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