

Huntsman PE5050 Extrusion Coating Polyethylene (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

Material Notes:

Homopolymer, Drug Master File listed product, and FDA compliant. Features: High draw down, low neck-in, excellent heat sealability, and excellent adhesion. Applications: Extrusion: coating grade and thin coatings. FDA Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)2.2 under condition of use B through H 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-PE5050-Extrusion-Coating-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM D1505
Melt Flow	7.0 g/10 min	7.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength, Ultimate	12.0 MPa	1740 psi	ASTM D638
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM D638
Film Elongation at Break, MD	250 %	250 %	ASTM D882
Film Elongation at Break, TD	300 %	300 %	ASTM D882
Elongation at Break	500 %	500 %	ASTM D638
Modulus of Elasticity	0.173 GPa	25.1 ksi	Secant; ASTM D638
Secant Modulus, MD	0.0970 GPa	14.1 ksi	ASTM D882
Secant Modulus, TD	0.131 GPa	19.0 ksi	ASTM D882
Film Tensile Strength at Break, MD	16.0 MPa	2320 psi	ASTM D882
Film Tensile Strength at Break, TD	13.0 MPa	1890 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 288 °C	480 - 550 °F	

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