

Huntsman PE5082 Extrusion Coating Polyethylene (discontinued **)

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

Material Notes:

Homopolymer and FDA compliant. Features: Excellent draw down, low neck-in, and excellent adhesion. Applications: Extrusion: coating grade and thin coatings (sugar paper and laminations). 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-PE5082-Extrusion-Coating-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ASTM D1505
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	42	42	ASTM D2240
Tensile Strength, Ultimate	9.00 MPa	1310 psi	ASTM D638
Tensile Strength, Yield	8.00 MPa	1160 psi	ASTM D638
Film Elongation at Break, MD	190 %	190 %	ASTM D882
Film Elongation at Break, TD	220 %	220 %	ASTM D882
Elongation at Break	600 %	600 %	ASTM D638
Modulus of Elasticity	0.152 GPa	22.0 ksi	Secant; ASTM D638
Secant Modulus, MD	0.0830 GPa	12.0 ksi	ASTM D882
Secant Modulus, TD	0.124 GPa	18.0 ksi	ASTM D882
Film Tensile Strength at Break, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Break, TD	10.0 MPa	1450 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	

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