

## Huntsman PE5030 Extrusion Coating Polyethylene (discontinued \*\*)

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

### Material Notes:

Homopolymer and FDA compliant. Features: Good draw down, low neck-in, good heat sealability and adhesion, low smoking, and excellent printability. Applications: Extrusion: coating grade and general coating. 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-PE5030-Extrusion-Coating-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Huntsman-PE5030-Extrusion-Coating-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	4.5 g/10 min	4.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength, Ultimate	10.0 MPa	1450 psi	ASTM D638
Tensile Strength, Yield	12.0 MPa	1740 psi	ASTM D638
Film Elongation at Break, MD	250 %	250 %	ASTM D882
Film Elongation at Break, TD	380 %	380 %	ASTM D882
Elongation at Break	400 %	400 %	ASTM D638
Modulus of Elasticity	0.290 GPa	42.1 ksi	Secant; ASTM D638
Secant Modulus, MD	0.180 GPa	26.1 ksi	ASTM D882
Secant Modulus, TD	0.220 GPa	31.9 ksi	ASTM D882
Film Tensile Strength at Break, MD	17.0 MPa	2470 psi	ASTM D882
Film Tensile Strength at Break, TD	14.0 MPa	2030 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	93.0 °C	199 °F	ASTM D1525

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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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