

## Huntsman PE8010 Specialty Polyethylene (discontinued \*\*)

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

### Material Notes:

Homopolymer and FDA compliant. Features: Yields film with excellent draw down and machinability. Applications: Film extrusion: gel free film applications. 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-PE8010-Specialty-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Huntsman-PE8010-Specialty-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength, Ultimate	15.0 MPa	2180 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Film Elongation at Break, MD	168 %	168 %	ASTM D882
Film Elongation at Break, TD	249 %	249 %	ASTM D882
Elongation at Break	1000 %	1000 %	ASTM D638
Modulus of Elasticity	0.276 GPa	40.0 ksi	Secant; ASTM D638
Secant Modulus, MD	0.186 GPa	27.0 ksi	ASTM D882
Secant Modulus, TD	0.235 GPa	34.1 ksi	ASTM D882
Dart Drop Test	93.0 g	0.205 lb	ASTM D1709
Film Tensile Strength at Break, MD	18.0 MPa	2610 psi	ASTM D882
Film Tensile Strength at Break, TD	11.0 MPa	1600 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003

Class	35 %	35 %	at 45° ASTM D523
Optical Properties	Metric	English	Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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