

Eastman 1550F Film Polyethylene (discontinued **)

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

Material Notes:

Polyethylene 1550F is a low density polyethylene that contains no additives. Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-1550F-Film-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.918 g/cc	0.0332 lb/in ³	ASTM D4883
Water Vapor Transmission	18.6 g/m ² /day	1.20 g/100 in ² /day	ASTM F372
Oxygen Transmission	200 cc-mm/m ² -24hr-atm	508 cc-mil/100 in ² -24hr-atm	ASTM D3985
Thickness	38.0 microns	1.50 mil	
Base Resin Melt Index	3.5 g/10 min	3.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	29.0 MPa	4210 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.00 MPa	1310 psi	ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Secant Modulus, MD	0.193 GPa	28.0 ksi	0.01; ASTM D882
Secant Modulus, TD	0.227 GPa	32.9 ksi	0.01; ASTM D882
Coefficient of Friction	0.70	0.70	ASTM D1894
Elmendorf Tear Strength, MD	9.21 g/micron	234 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	1.84 g/micron	46.7 g/mil	ASTM D1922
Dart Drop	2.63 g/micron	66.8 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	ASTM D882
Film Tensile Strength at Break, TD	16.0 MPa	2320 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	89.0 °C	192 °F	ASTM D1525

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003
Gloss	30 %	30 %	at 45°; ASTM D2457
Transmission, Visible	70 %	70 %	Transparency; ASTM D1746

Descriptive Properties	Value	Comments
Process	Film	

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