

SABIC F01552 High Density Polyethylene for Blown Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

Product Description: F01552 is a high molecular weight high density polyethylene copolymer grade specifically designed for blown film applications. Its high molecular weight, broad molecular weight distribution and high density combine successfully to give excellent extrudability with high film strength and drawdown capability. **Typical Applications:** F01552 resin is recommended for the production of strong strength millinery and notion bags, deep freezer bags, table cloths and thin film as quality replacement for paper products. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-F01552-High-Density-Polyethylene-for-Blown-Film.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
Thickness	15.0 microns	0.591 mil	
Melt Flow	0.15 g/10 min	0.15 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	16 g/10 min	16 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Yield, TD	30.0 MPa	4350 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	610 %	610 %	ASTM D882
Elmendorf Tear Strength MD	4.0 g	4.0 g	ASTM D1922
Elmendorf Tear Strength TD	40 g	40 g	ASTM D1922
Elmendorf Tear Strength, MD	0.270 g/micron	6.86 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.67 g/micron	67.8 g/mil	ASTM D1922
Dart Drop	12.0 g/micron	305 g/mil	ASTM D1709
Dart Drop Test	180 g	0.397 lb	ASTM D1709
Film Tensile Strength at Break, MD	55.0 MPa	7980 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, TD	1400 MPa	203000 psi	ASTM D882
1% Secant Modulus, MD	1700 MPa	247000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	125 °C	257 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 235 °C	392 - 455 °F	
Blow-up Ratio (BUR)	3.0 - 5.0	3.0 - 5.0	

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