

Total 2287 HDPE Bimodal Film Resin

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

Material Notes:

Broad molecular weight distribution. Designed for die build-up sensitive equipment Applications: T-shirt sacks, trash can liners, merchandise bags, deli wrap Information provided provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-2287-HDPE-Bimodal-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D 792
Water Vapor Transmission	12.4 g/m ² /day	0.799 g/100 in ² /day	100°F; E 96/66
Thickness	20.3 microns	0.800 mil	
Melt Flow	0.060 g/10 min	0.060 g/10 min	ASTM D 1238
	@Load 2.16 kg	@Load 4.76 lb	
High Load Melt Index	0.32 g/10 min	0.32 g/10 min	ASTM D 1238
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	10 g/10 min	10 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	>= 36.5 MPa	>= 5300 psi	ASTM D 882 A
Film Tensile Strength at Yield, TD	>= 34.5 MPa	>= 5000 psi	ASTM D 882 A
Film Elongation at Break, MD	300 - 500 %	300 - 500 %	ASTM D 882 A
Film Elongation at Break, TD	300 - 500 %	300 - 500 %	ASTM D 882 A
Secant Modulus, MD	0.841 GPa	122 ksi	ASTM D 882 A
Secant Modulus, TD	0.910 GPa	132 ksi	ASTM D 882 A
Elmendorf Tear Strength MD	24 g	24 g	ASTM D 1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D 1922
Dart Drop Test	350 g	0.772 lb	ASTM D 1709
Film Tensile Strength at Break, MD	>= 63.4 MPa	>= 9200 psi	ASTM D 882 A
Film Tensile Strength at Break, TD	>= 67.6 MPa	>= 9800 psi	ASTM D 882 A

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	260 °F	ASTM D3417

Descriptive Properties	Value	Comments
Process	Film	
Region	US & Canada	Bamberger Polymers Distribution

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