

Total 1285 HDPE film

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

Material Notes:

Applications: T-shirt sacks, trash can liners, merchandise bags, coex applications
Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-1285-HDPE-film.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Water Vapor Transmission	12.4 g/m ² /day	0.799 g/100 in ² /day	100°F
Thickness	20.3 microns	0.800 mil	
Melt Flow	0.070 g/10 min	0.070 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	0.31 g/10 min	0.31 g/10 min	ISO 1133
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	9.0 g/10 min	9.0 g/10 min	ISO 1133
	@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	>= 61.4 MPa	>= 8900 psi	ASTM D 882 A
Film Tensile Strength at Break, TD	>= 58.6 MPa	>= 8500 psi	ASTM D 882 A

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

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