

Total Finathene® 2344 HDPE film (discontinued **)

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

Material Notes:

Applications: Trash can liners, merchandise bags, deli wrap
Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Finathene-2344-HDPE-film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D 792
Water Vapor Transmission	15.5 g/m ² /day	0.998 g/100 in ² /day	100°F; E 96/66
Thickness	20.3 microns	0.800 mil	
Melt Flow	0.080 g/10 min	0.080 g/10 min	ASTM D 1238
	@Load 2.16 kg	@Load 4.76 lb	
	0.34 g/10 min	0.34 g/10 min	ASTM D 1238
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	9.0 g/10 min	9.0 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	>= 34.5 MPa	>= 5000 psi	ASTM D 882 A
Film Tensile Strength at Yield, TD	>= 33.1 MPa	>= 4800 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	0.758 GPa	110 ksi	ASTM D 882 A
Secant Modulus, TD	0.841 GPa	122 ksi	ASTM D 882 A
Elmendorf Tear Strength MD	26 g	26 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	>= 58.6 MPa	>= 8500 psi	ASTM D 882 A
Film Tensile Strength at Break, TD	>= 55.8 MPa	>= 8100 psi	ASTM D 882 A

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	258 °F	ASTM D3417

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