Braskem HF 0144 HDPE Blown Film Extrusion Polyethylene

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

Material Notes:

38µm film gauge, obtained in 75mm extruder, die gap 1.0mm, output 1.75 kg/h-cm with 2:1 BUR. Applications: Grocery and T-shirt bags; merchandise bags; frozen-food bags. Information provided by Braskem

Order this product through the following link:
http://www.lookpolymers.com/polymer_Braskem-HF-0144-HDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.58 g/10 min @Load 5.00 kg, Temperature 190 °C	0.58 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238
High Load Melt Index	12 g/10 min @Load 21.6 kg, Temperature 190 °C	12 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	20.0 MPa	2900 psi	ASTM D882
Film Tensile Strength at Yield, TD	24.0 MPa	3480 psi	ASTM D882
Film Elongation at Break, MD	667 %	667 %	ASTM D882
Film Elongation at Break, TD	1012 %	1012 %	ASTM D882
Elmendorf Tear Strength, MD	0.500 g/micron	12.7 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.40 g/micron	163 g/mil	ASTM D1922
Dart Drop	2.26 g/micron	57.4 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	60.0 MPa	8700 psi	ASTM D882
Film Tensile Strength at Break, TD	52.0 MPa	7540 psi	ASTM D882
Heat Seal Strength Initiation Temperature	125 °C	257 °F	Sealing Initial Temperature; Braskem® Method

Descriptive Properties	Value	Comments
Minimum Recommended Thickness	13 µm	
Puncture Strength		Braskem® Method

Descriptive Properties	Value	Comments
	75 J/m	

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