

Braskem GM9450F HDPE Blown Film Extrusion Polyethylene

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

Material Notes:

HDPE GM9450F is a high-density polyethylene developed for the high molecular weight film extrusion segment produced with bimodal technology. The film produced from this resin has high tenacity and excellent resistance to impact characteristics. This resin has wide molar mass distribution that makes it easier to process. Its applications include: retail bags, perforated rolls, repackaging, geomembranes, and bags in general.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Braskem-GM9450F-HDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in³	ASTM-D792
Melt Flow	0.33 g/10 min	0.33 g/10 min	ASTM-D1238
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	9.3 g/10 min	9.3 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	40.0 MPa	5800 psi	ASTM-D882
Film Tensile Strength at Yield, TD	30.0 MPa	4350 psi	ASTM-D882
Film Elongation at Break, MD	620 %	620 %	ASTM-D882
Film Elongation at Break, TD	680 %	680 %	ASTM-D882
Elmendorf Tear Strength MD	6.0 g	6.0 g	ASTM-D1922
Elmendorf Tear Strength TD	60 g	60 g	ASTM-D1922
Dart Drop Test	210 g	0.463 lb	ASTM-D1709
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ASTM-D882
Film Tensile Strength at Break, TD	50.0 MPa	7250 psi	ASTM-D882
Heat Seal Strength Initiation Temperature	125 °C	257 °F	Braskem Method

Descriptive Properties	Value	Comments
Puncture Strength (J/m)	80	Braskem Method

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