

Braskem LH537 LLDPE Cast Film Extrusion Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Hexene, Film Grade

Material Notes:

LH537 is a LLDPE Hexene produced by Braskem. It offers an excellent processability, stiffness, and soft touch for flat die films. It has very low gel contents. It contains slip absent and antiblock absent additives. Its applications include diapers (back sheet) and absorbent pads (back sheet).

Order this product through the following link:
http://www.lookpolymers.com/polymer_Braskem-LH537-LLDPE-Cast-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in³	ASTM-D792
Melt Flow	4.8 g/10 min	4.8 g/10 min	ASTM-D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1320 %	1320 %	ASTM-D882
Film Elongation at Break, TD	1400 %	1400 %	ASTM-D882
Elmendorf Tear Strength MD	20 g	20 g	ASTM-D1922
Elmendorf Tear Strength TD	30 g	30 g	ASTM-D1922
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM-D882
1% Secant Modulus, MD	420 MPa	60900 psi	ASTM-D882
1% Secant Modulus, TD	430 MPa	62400 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Gloss	9.0 %	9.0 %	Angle 60°; ASTM-D2457

Descriptive Properties	Value	Comments
Mass Temperature (°C)	230-250	Cast Films
Screen Package	40/40	mesh, 100% pure
	40/60/40	mesh, Blend
Temperature Profile (°C)	190-230	Cast Films

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