

Braskem F2022/0 LDPE Cast Film Extrusion Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

LDPE F2022/0 has excellent sealing characteristics and optical properties with well balanced mechanical properties. Its applications include: general purpose which require no additives; shrink films for goods; flat film for diapers; and injection blow molding. Recommended film thickness: 0.025-0.100mm.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Braskem-F20220-LDPE-Cast-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in³	ASTM-D792
Melt Flow	2.0 g/10 min	2.0 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	230 %	230 %	ASTM-D882
Film Elongation at Break, TD	900 %	900 %	ASTM-D882
Elmendorf Tear Strength TD	90 g	90 g	ASTM-D1922
Elmendorf Tear Strength, TD	3.60 g/micron	91.4 g/mil	ASTM-D1922
Dart Drop	2.80 g/micron	71.1 g/mil	ASTM-D1709
Dart Drop Test	70.0 g	0.154 lb	ASTM-D1709
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ASTM-D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM-D1003
Gloss	93 %	93 %	Angle 60°; ASTM-D2457

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	1.8 - 3.0	1.8 - 3.0	Blow Film Extrusion

Descriptive Properties	Value	Comments
Temperature Profile (°C)	120-170	Blow Film Extrusion

Descriptive Properties	Value	Comments
	180-310	Blow Molding

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