

Braskem F2523 LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

LDPE F2523 is a low-density polyethylene. It has good sealing characteristics, optical, and mechanical properties. It contains antiblock and slip additives. Its applications include general purpose packaging that requires good optical and mechanical properties. Recommended film thickness: 0.020-0.100mm.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-F2523-LDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM-D792
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	230 %	230 %	ASTM-D882
Film Elongation at Break, TD	930 %	930 %	ASTM-D882
Elmendorf Tear Strength TD	110 g	110 g	ASTM-D1922
Elmendorf Tear Strength, TD	4.40 g/micron	112 g/mil	ASTM-D1922
Dart Drop	2.40 g/micron	61.0 g/mil	ASTM-D1709
Dart Drop Test	60.0 g	0.132 lb	ASTM-D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM-D1003
Gloss	110 %	110 %	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
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