

Braskem F0421 D LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

LDPE F0421 D is a low-density polyethylene resin. It has high mechanical and impact strength and good processability, sealability, and shrinkage. It contains antioxidant and slip additives. Its applications include shrink films and automatic packaging of liquid products (FFS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-F0421-D-LDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM-D792
Melt Flow	0.38 g/10 min @Load 2.16 kg, Temperature 190 °C	0.38 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	260 %	260 %	ASTM-D882
Film Elongation at Break, TD	960 %	960 %	ASTM-D882
Elmendorf Tear Strength TD	140 g	140 g	ASTM-D1922
Elmendorf Tear Strength, TD	5.60 g/micron	142 g/mil	ASTM-D1922
Dart Drop	4.80 g/micron	122 g/mil	ASTM-D1709
Dart Drop Test	120 g	0.265 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	15 %	15 %	ASTM-D1003
Gloss	65 %	65 %	Angle 60°; ASTM-D2457

Descriptive Properties	Value	Comments
Temperature Profile (°C)	170-190	Blown Film Extrusion

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