

Braskem LD7000A LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

LD7000A is a low-density polyethylene produced by the high pressure process in an autoclave reactor. It is developed for the manufacturing of extruded films. It has high mechanical and impact strength, good processability, high ESCR, and good shrinkage. It does not contain additives. Its applications include: heavy-duty bags; agriculture, coextruded, and shrink films; blow molding; and tubes and hoses.

Recommended processing conditions for film extrusion are about 200 - 220 °C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LD7000A-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	0.34 g/10 min @Load 2.16 kg, Temperature 190 °C	0.34 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	280 %	280 %	ASTM-D882
Film Elongation at Break, TD	880 %	880 %	ASTM-D882
Elmendorf Tear Strength TD	130 g	130 g	ASTM-D1922
Dart Drop Test	130 g	0.287 lb	ASTM-D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	18 %	18 %	ASTM-D1003
Gloss	60 %	60 %	Angle 60°; ASTM-D2457

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