

Braskem TX7001 LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

TX7001 is a low-density polyethylene (LDPE) with high molecular weight designed to satisfy those applications that require high mechanical strength and environmental stress cracking resistance (ESCR), together with good processability and proper of branched polyethylene produced by a high pressure process. TX7001 resin performs in conventional LDPE extruders, granting low energy consumption during the whole process and allowing the production of packaging with good dimensional uniformity and excellent surface finishing. This product is identified as PE 115 according to ASTM D-4976-04a standard specification. It does not contain additives. Its applications include: high resistance films for industrial packaging, heavy duty bags, and plastic canvas; and base resin for agriculture films with big dimensions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-TX7001-LDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM-D792
Melt Flow	0.14 g/10 min @Load 2.16 kg, Temperature 190 °C	0.14 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	360 %	360 %	ASTM-D882
Film Elongation at Break, TD	740 %	740 %	ASTM-D882
Secant Modulus, MD	0.150 GPa	21.8 ksi	2% Secant Modulus; ASTM-D882
Secant Modulus, TD	0.170 GPa	24.7 ksi	2% Secant Modulus; ASTM-D882
Elmendorf Tear Strength MD	180 g	180 g	ASTM-D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM-D1922
Elmendorf Tear Strength, MD	3.60 g/micron	91.4 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	4.00 g/micron	102 g/mil	ASTM-D1922
Dart Drop	4.00 g/micron	102 g/mil	ASTM-D1709
Dart Drop Test	200 g	0.441 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	19 %	19 %	ASTM-D1003
Gloss	33 %	33 %	Angle 45°; ASTM-D2457
	53 %	53 %	Angle 60°; ASTM-D2457

Processing Properties	Metric	English	Comments
Die Opening	0.100 - 0.150 cm	0.0394 - 0.0591 in	Blow Film Extrusion
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	Blow Film Extrusion

Descriptive Properties	Value	Comments
Mass Temperature (°C)	190-225	Blow Film Extrusion
Temperature Profile (°C)	170-225	Blow Film Extrusion

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China