

Braskem TS7003 LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

TS7003 is a low-density polyethylene (LDPE) with high molecular weight that offers high mechanical strength and toughness even at low temperatures. Additionally, this product is easily processed. The product was developed to meet the requirements for automatic packaging. The additive package provides a low coefficient of friction (COF) allowing high productivity on the packaging lines. This product is identified as PE 115 according to ASTM D-4976-04a standard specification. It has antiblocking and slip agent additives. Its applications include: films for automatic packaging of liquids (milk, yogurt, juices, etc.), packaging for frozen food (meat, chicken, seafood, fries, etc.), and blow molding flexible packaging.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-TS7003-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	0.27 g/10 min @Load 2.16 kg, Temperature 190 °C	0.27 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	370 %	370 %	ASTM-D882
Film Elongation at Break, TD	680 %	680 %	ASTM-D882
Secant Modulus, MD	0.140 GPa	20.3 ksi	2% Secant Modulus; ASTM-D882
Secant Modulus, TD	0.150 GPa	21.8 ksi	2% Secant Modulus; ASTM-D882
Elmendorf Tear Strength MD	300 g	300 g	ASTM-D1922
Elmendorf Tear Strength TD	220 g	220 g	ASTM-D1922
Elmendorf Tear Strength, MD	6.00 g/micron	152 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	4.40 g/micron	112 g/mil	ASTM-D1922
Dart Drop	3.80 g/micron	96.5 g/mil	ASTM-D1709
Dart Drop Test	190 g	0.419 lb	ASTM-D1709
Film Tensile Strength at Break, MD	27.0 MPa	3920 psi	ASTM-D882
Film Tensile Strength at Break, TD	24.0 MPa	3480 psi	ASTM-D882

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Haze Optical Properties	13 % Metric	13 % English	ASTM-D1003 Comments
Gloss	70 %	70 %	Angle 60°; ASTM-D2457

Processing Properties	Metric	English	Comments
Die Opening	0.100 cm	0.0394 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)	180-205	Blow Film Extrusion
Temperature Profile (°C)	160-205	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