

Braskem TS7006 LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

TS7006 is a low-density polyethylene (LDPE) specially developed for coextruded films and lamination. The resin presents a combination of mechanical, optical, and stiffness properties. TS7006 has a low gels content which ensures production of excellent appearance films. This product is identified as PE 114 according to ASTM D-4976-04a standard specification. It contains antiblocking and slip agent additives. Its applications include high clarity films for coextruded food packaging (cheese, meat, sausages, sliced ham, etc.).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-TS7006-LDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ASTM-D792
Melt Flow	0.60 g/10 min @Load 2.16 kg, Temperature 190 °C	0.60 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	350 %	350 %	ASTM-D882
Film Elongation at Break, TD	700 %	700 %	ASTM-D882
Secant Modulus, MD	0.140 GPa	20.3 ksi	2% Secant Modulus; ASTM-D882
Secant Modulus, TD	0.170 GPa	24.7 ksi	2% Secant Modulus; ASTM-D882
Elmendorf Tear Strength MD	310 g	310 g	ASTM-D1922
Elmendorf Tear Strength TD	250 g	250 g	ASTM-D1922
Elmendorf Tear Strength, MD	6.20 g/micron	157 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	5.00 g/micron	127 g/mil	ASTM-D1922
Dart Drop	3.40 g/micron	86.4 g/mil	ASTM-D1709
Dart Drop Test	170 g	0.375 lb	ASTM-D1709
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ASTM-D882
Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM-D1003
Gloss	60 %	60 %	Angle 45°; ASTM-D2457

Optical Properties	Metric	English	Comments
	54 °	54 °	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)	180-185	Blow Film Extrusion
Temperature Profile (°C)	150-185	Blow Film Extrusion

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