

Braskem TN7006 LDPE Blown Film Extrusion Polyethylene

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

Material Notes:

TN7006 is a low-density polyethylene (LDPE) specially developed for coextruded films and lamination. The resin presents a great combination of mechanical, optical, and stiffness properties. TN7006 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 does not contain additives. Its applications include: high clarity films for coextruded food packaging (cheese, meat, sausages, sliced ham, etc.); cast films for table cloths, curtains, and laminated tissues; and flexible bottles for solids, liquids, or pasties products for hygiene and cleanness.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-TN7006-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	8.5 %	8.5 %	ASTM-D1003

Optical Properties	Metric	English	Comments
	86 %	86 %	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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