

Braskem PE TN7006

Low Density Polyethylene

Braskem

Message:

TN7006 is a low-density polyethylene (LDPE) specially developed for coextruded films and lamination. The resin presents a great combination among mechanical, optical and stiffness properties. Besides TN7006 has low gels content which ensure a production of excellent appearance films. This product is identified as PE 114 according to ASTM D-4976-04a standard specification.

Additives:

No additives

Application:

High clarity films for coextruded food packaging, such as: cheese, meat, sausages, sliced ham, etc. Cast films for table cloth, curtains and laminated tissues. Flexible bottles for solids, liquids or pasties products for hygiene and cleanness.

General Information			
Features	High Clarity		
	Low Gel		
Uses	Bottles		
	Cast Film		
	Film		
	Food Packaging		
	Laminates		
Agency Ratings	ASTM D 4976-PE114		
	FDA 21 CFR 177.1520		
Processing Method	Coextruded Film		
	Extrusion Blow Molding		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ASTM D882
Secant Modulus			
2% Secant, MD : 50 µm, Blown Film	140	MPa	
2% Secant, TD : 50 µm, Blown Film	170	MPa	ASTM D882
Tensile Strength			
MD : Break, 50 µm,Blown Film	25.0	MPa	
TD : Break, 50 µm,Blown Film	20.0	MPa	ASTM D882
Tensile Elongation			

MD : Break, 50 µm,Blown Film	350	%	
TD : Break, 50 µm,Blown Film	700	%	
Dart Drop Impact (50 µm, Blown Film)	170	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm, Blown Film	310	g	
TD : 50 µm, Blown Film	250	g	
Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D2457
45°, 50.0 µm, Blown Film	60		
60°, 50.0 µm, Blown Film	86		
Haze (50.0 µm, Blown Film)	8.5	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Blow Molding Temperature ¹			
Mass Temperature	180 to 185	°C	
Temperature Profile	150 to 185	°C	
NOTE			

1. 1.0mm Die Gap, 2.0 to 3.0:1 Blow Up Ratio

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