

Braskem PE TS7006

Low Density Polyethylene

Braskem

Message:

TS7006 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 TS7006 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.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Good Stiffness		
	High Clarity		
	Low Gel		
	Opticals		
	Slip		
Uses	Film		
	Food Packaging		
Agency Ratings	ASTM D 4976-PE114		
Processing Method	Blown Film		
	Coextruded Film		
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	140	MPa	
2% Secant, TD	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	84		
Haze (50.0 µm, Blown Film)	9.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 185	°C	

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