

Braskem PE EB-853

Low Density Polyethylene

Braskem

Message:

Description:
EB853 low density polyethylene produced under high pressure in a Tubular reactor. Films obtained with this product show outstanding optical properties, good sealability, and low gel content.

Applications:
Typical blown film applications include films for diapers and other general purposes as well as LLDPE and HDPE blends.

Process:
Blown and Cast Film Extrusion

General Information			
Features	Low speed solidification crystal point		
	Optical		
	Anti-salt water/fog		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Films		
	Mixing		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
	Blow film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Fracture	40.0	MPa	ASTM D882
TD: Fracture	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	300	%	ASTM D882
TD: Fracture	280	%	ASTM D882
Dart Drop Impact	50	g	ASTM D1709
Elmendorf Tear Strength - TD	100	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method

Gloss (60°)	113		ASTM D2457
Haze	5.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	110	°C	
Die Temperature	160	°C	
Extrusion instructions			

Blown Film Blow up ratio: 2-3.1 Die gap: 0.9-1.2mm Frostline height: same a bubble diameter Screen Package: 60/80/60

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