

# Braskem PE BC-818

Low Density Polyethylene

Braskem

Message:

Description:  
BC818 is a grade produced under high pressure in an autoclave reactor. In the coating process it presents very good optical properties, low neck-in, good film stability, and good adhesion on porous substrate. Without additives.

Applications:  
Extrusion coating; injection of general parts and carrier for masterbatches.

General Information			
Features	Porous		
	Optical		
	Good adhesion		
	High pressure heating resistance		
	Low shrinkage		
Uses	Coating application		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Fracture	25.0	MPa	ASTM D882
TD: Fracture	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	380	%	ASTM D882
TD: Fracture	870	%	ASTM D882
Flexural Modulus - 1% Secant, MD	70.0	MPa	ASTM D790
Dart Drop Impact	64	g	ASTM D1709
Elmendorf Tear Strength - TD	56	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	76		ASTM D2457
Haze	8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 - 340	°C	
Cylinder Zone 2 Temp.	150 - 340	°C	

Cylinder Zone 3 Temp.	150 - 340	°C
Cylinder Zone 4 Temp.	150 - 340	°C
Cylinder Zone 5 Temp.	150 - 340	°C

#### Extrusion instructions

Screw W/D ratio 20:1 Compression ratio 3 to 4:1

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#### Recommended distributors for this material

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