

Braskem PE F 7018

Low Density Polyethylene

Braskem

Message:

F7018 is a low density polyethylene that shows an excellent seal ability at low temperatures and indicated for low viscosity required applications. It does not contain additives.

Application:

Masterbatches;

Extrusion coating;

Injected parts.

General Information			
Features	General Purpose		
	Good Processability		
	Low Temperature Heat Sealability		
	Low Viscosity		
Uses	Coating Applications		
	General Purpose		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	43		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	10.0	MPa	
Break	9.00	MPa	
Flexural Modulus - 1% Secant			
--	240	MPa	ASTM D790
--	80.0	MPa	ASTM D2457
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested ¹	25	µm	
Tensile Strength			ASTM D882
MD : Break, 25 µm,Blown Film	25.0	MPa	

TD : Break, 25 µm,Blown Film	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	390	%	
TD : Break, 25 µm,Blown Film	900	%	
Dart Drop Impact ² (Blown Film)	90	g	ASTM D1709
Elmendorf Tear Strength - TD (Blown Film)	55	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525 ³
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.0 µm, Blown Film)	78		ASTM D2457
Haze (25.0 µm, Blown Film)	12	%	ASTM D1003
Injection	Nominal Value	Unit	
Rear Temperature	130 to 180	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 310	°C	
NOTE			

- | | |
|----|--|
| 1. | 75mm extruder, die gap 1.0mm,
output 1.75 kg/h*cm with 2:1 BUR. |
| 2. | F50 |
| 3. | Loading 1 (10 N) |

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