Braskem PE IP2418

Low Density Polyethylene

Braskem

Message:

Good processability, high fluidity, flexibility and mechanical strength. It does not contain additives.
Application:
Injection molding and blends with EVA for foams.

General Information			
Features	Workability, good		
	Good strength		
	Good flexibility		
	High liquidity		
	Compliance of Food Exposure		
Uses	Mixing		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.919	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	24	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 10% Igepal, Compression Molded, F50)	1.00	hr	ASTM D1693

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	49		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, molding	9.00	MPa	ASTM D638
Fracture, molding	8.00	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	160	%	ASTM D638
Apparent Bending Modulus	320	MPa	ASTM D747
Flexural Modulus - 1% Secant (Compression Molded)	300	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	82.0	°C	ASTM D1525 [1]

Injection instructions			

Recommended processing conditions for:Blends with EVA:

Temperature profile: 100 to 150°C.

Injection molding:

Temperature profile: 120 to 180°C.

NOTE

1.	压 力1 (10N)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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