

Braskem PE PB-208

Low Density Polyethylene

Braskem

Message:

Description:
PB208 is a low density polyethylene with no additives. This grade shows excellent processability being indicated for low viscosity required applications. Injection molded products with this resin shows good flow and flexibility properties.

Additive:
No additives present

Applications:
Masterbatches;
Covers and injected parts with large flat area.

Process:
Injection Molding

General Information			
Features	Good Flexibility		
	Good Flow		
	Good Processability		
	Low Density		
	Low Viscosity		
Uses	Engineering Parts		
	Masterbatch		
	Protective Coverings		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, Compression Molded, F50)	6.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	42		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	10.0	MPa	
Break, Compression Molded	6.00	MPa	
Tensile Elongation (Break, Compression Molded)	140	%	ASTM D638

Flexural Modulus - 1% Secant (Compression Molded)	700	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 to 230	°C	
Mold Temperature	5.00 to 25.0	°C	
NOTE			
1.	Loading 1 (10 N)		

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