

Braskem PE SPB208

Low Density Polyethylene

Braskem America Inc.

Message:

Description: SPB208 is a low density polyethylene designed for injection molding. This grade shows excellent processability being indicated for applications where low viscosity is required during processing. Injection molded products with this resin shows good flexibility. Additives free. The minimum biobased content of this grade is 95%, determined according to ASTM D6866.

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

General Information			
Features	Low viscosity		
	Updatable resources		
	Workability, good		
	Good flexibility		
	No additive		
Uses	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	42		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, molding	10.0	MPa	ASTM D638
Fracture, molding	6.00	MPa	ASTM D638
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
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 95	%	ASTM D6866
Injection instructions			
Recommended Processing Conditions:			
Temperature profile.....160 to 230°C			
Mold temperature.....5 to 25°C			
NOTE			

1. 压力1 (10N)

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

