

BorPure™ MB5568

High Density Polyethylene

Borealis AG

Message:

BorPure MB5568 is a multimodal, high-density polyethylene intended for injection and compression moulding with strong focus on organoleptic performance in combination with excellent ESCR. This grade is especially designed for beverage caps and closures for carbonated soft drinks and water.

General Information			
Features	Good Impact Resistance		
	Good Organoleptic Properties		
	High ESCR (Stress Crack Resist.)		
	Recyclable Material		
Uses	Caps		
	Closures		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Environmental Stress-Cracking Resistance (10% Igepal, F50)	750	hr	ASTM D1693B
FNCT ¹ (50°C)	2.7	day	ISO 16770
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1000	MPa	ISO 527-2
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	
Mold Temperature	10.0 to 40.0	°C	
Injection Rate	Fast		
NOTE			
1.	6 MPa		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

