BorPure™ MB6562

High Density Polyethylene

Borealis AG

General Information

Message:

BorPure MB6562 is a bimodal, high-density polyethylene intended for injection and compression moulding. This grade combines excellent organoleptic properties, environmental stress crack resistance and superior flow properties with good impact strength even at low temperatures. This grade is designed for the caps and closures market and therefore contains a lubricant for an optimum opening torque of the cap.

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Additive	Lubricant			
Features	Good Flow			
	Good Impact Resistance			
	Good Organoleptic Properties			
	High ESCR (Stress Crack Resist.)			
	Low Temperature Impact Resistance			
	Lubricated			
	Recyclable Material			
Uses	Caps			
	Closures			
	Consumer Applications			
	Food Packaging			
	Industrial Applications			
	Packaging			
Processing Method	Compression Molding			
	Injection Molding			
Physical	Nominal Value	Unit	Test Method	
Density	0.955	g/cm³	ISO 1183	
Melt Mass-Flow Rate (MFR) (190°C/2.16				
kg)	1.5	g/10 min	ISO 1133	
Environmental Stress-Cracking Resistance (10% Igepal, F50)	180	hr	ASTM D1693B	
FNCT ¹ (50°C)	13.0	hr	ISO 16700	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Modulus	900	MPa	ISO 527-2/1	
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/10	
Tensile Strain (Yield)		%	ISO 527-2/50	
	November 21 Value		130 321-2/30	
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, Arcopal N110 2%		

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