BorPure™ MB6562

High Density Polyethylene

Borealis AG

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.

General Information	
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 527-2/50
Tensile Strain (Yield)	10	%	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, Arcopal N110 2%

Recommended distributors for this material

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