

BorPure™ MB6561

High Density Polyethylene

Borealis AG

Message:

BorPure MB6561 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.

General Information

Features	Good Flow Good Impact Resistance Good Organoleptic Properties High ESCR (Stress Crack Resist.) Low Temperature Impact Resistance Recyclable Material
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Uses	Caps Closures Consumer Applications Industrial Applications Packaging
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Processing Method	Compression Molding Injection Molding
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Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	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%

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Recommended distributors for this material

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