

Bormed™ BE860MO

Polypropylene Copolymer

Borealis AG

Message:

Bormed BE860MO is a heterophasic copolymer. This grade is characterized by excellent impact strength even at low temperatures combined with high stiffness and good flow properties.

Applications:

Caps and closures

Pharmaceutical & diagnostic packaging

General Information			
Features	Copolymer		
	Good Flow		
	High Impact Resistance		
	High Stiffness		
	Low Temperature Impact Resistance		
Uses	Caps		
	Closures		
	Pharmaceutical Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1250	MPa	ISO 527-2/1
Tensile Stress (Yield, Injection Molded)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	6.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-20°C, Total Penetration Energy	25.0	J	
0°C, Total Penetration Energy	35.0	J	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	10.0 to 30.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	
NOTE			
1.	Injection molded specimen		

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