

Borealis PE MG9641

High Density Polyethylene

Borealis AG

Message:

Borealis PE MG9641 is a High Density Polyethylene product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Impact Resistant

Rigid

General Information			
Features	Good Flow		
	Good Impact Resistance		
	High Density		
	Medium Rigidity		
	Narrow Molecular Weight Distribution		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1200	MPa	ISO 527-2/1
Tensile Stress (Yield, Injection Molded)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	8.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.0	kJ/m²	
23°C	7.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	77.0	°C	ISO 75-2/B

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Recommended distributors for this material

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