

Borealis PE MG9601

High Density Polyethylene

Borealis AG

Message:

MG9601 is a high density polyethylene The grade is characterized by excellent flow properties, minor distortion and high stiffness.

Applications:

House ware and thin wall packaging

Caps and closures

Special features:

Good flow behaviour

High stiffness

General Information			
Features	Rigidity, high		
	Recyclable materials		
	Good liquidity		
Uses	Thin wall packaging		
	Shield		
	Household goods		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	31	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.0 - 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1250	MPa	ISO 527-2/1
Tensile Stress (Yield, Injection Molded)	29.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	71.0	°C	ISO 75-2/B
Additional Information			
The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.			

Injection	Nominal Value	Unit
Processing (Melt) Temp	180 - 240	°C
Mold Temperature	10.0 - 40.0	°C
Injection Rate	Fast	
Injection instructions		

Holding Pressure: as low as possible

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