

Borealis PE MG9621

High Density Polyethylene

Borealis AG

Message:

MG9621 - is a high-density polyethylene produced by a low pressure process. The product is available in natural colour.

General Information			
Features	Low warpage		
	High density		
	Gloss, Medium		
	Good liquidity		
	Narrow molecular weight distribution		
	Medium hardness		
Uses	Thin wall parts		
	Household goods		
	Barrel		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ISO 1133
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)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	7.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 260	°C	
Mold Temperature	10.0 - 40.0	°C	
Injection instructions			
Holding Pressure: As low as possible			

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