

MAJORIS MN300U BLACK 8229

High Density Polyethylene

AD majoris

Message:

MN 300U BLACK 8229 is a black, 30% mineral filled high density polyethylene compound intended for injection molding. The product is available in natural (MN300U) and black (MN300U-8229) but other colors can be supplied on request. MN300U BLACK 8229 has been developed for applications where high density, good surface finish and good flow properties are necessary.

- Applications
- High density products, such as:
- Sound absorption parts
- Electronic housings
- Cosmetic moldings
- Appliances

General Information			
Filler / Reinforcement	Barium sulfate, 30% filler by weight		
Features	High density		
	Noise reduction		
	Good liquidity		
	Excellent appearance		
Uses	Electrical housing		
	Electrical appliances		
	Cosmetics		
	Insulating material		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, injection molding	12.8	MPa	ISO 527-2/50
Fracture, injection molding	21.0	MPa	ISO 527-2/50
Flexural Modulus ¹ (Injection Molded)	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	78.0	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 - 250	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Hold-on-pressure: 50 to 60% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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Recommended distributors for this material

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