

# MAJORIS EB300E - 8229

High Density Polyethylene

AD majoris

## Message:

EB300E - 8229 is a black, 30% mineral filled high density polyethylene compound intended for injection moulding.

The product is available in natural (EB300E) and black (EB300E - 8229) but other colours can be supplied on request.

EB300E - 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

Cosmetics mouldings

Appliances

General Information			
Filler / Reinforcement	Barium sulfate, 30% filler by weight		
Features	High density		
	Recyclable materials		
	Good liquidity		
	Excellent appearance		
Uses	Electrical housing		
	Electrical appliances		
	Sound insulation		
	Cosmetics		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	92		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.8	MPa	ISO 527-2/50
Tensile Strain (Break)	21	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	3.0	kJ/m <sup>2</sup>	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 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding 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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