

MAJORIS DBF334E/8-8229

High Density Polyethylene

AD majoris

Message:

MAJORIS DBF334E/8-8229 is a 33% chemically coupled basalt fiber reinforced polyethylene high density compound (pellets length ~8 mm) in black colour, intended for injection moulding.

APPLICATIONS

MAJORIS DBF334E/8-8229 is intended for components that require good impact strength, rigidity and dimensional stability.

Suitable applications are:

Electrical tool and appliance components

Miscellaneous automotive technical items

Household articles

General Information			
Filler / Reinforcement	Basalt Fiber, 33% filler by weight		
Features	Good dimensional stability		
	High density		
	Chemical coupling		
	Impact resistance, good		
	Recyclable materials		
	Medium hardness		
Uses	Electrical/Electronic Applications		
	Power/other tools		
	Home appliance components		
	Household goods		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5760	MPa	ISO 527-2/1
Tensile Stress (Yield)	70.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus ¹	4750	MPa	ISO 178
Flexural Stress	108	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	47	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	131	°C	ISO 75-2/B
1.8 MPa, not annealed	117	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	180 - 200	°C	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT