MAJORIS DG304E/10 - 8229

High Density Polyethylene

AD majoris

Message:

DG304E/10 - 8229 is a 33% chemically coupled glass fibre reinforced polyethylene high density compound (the long pellets ~10 mm) intended for injection moulding.
The product is available in natural (DG304E/10) and other colours can be provided on request.
APPLICATIONS
DG304E/10 - 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	Glass fiber reinforced material, 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	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.20	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5700	MPa	ISO 527-2/1
Tensile Stress (Yield)	69.0	MPa	ISO 527-2/50
Flexural Modulus [1]	4500	MPa	ISO 178

Flexural Stress	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	44	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	127	°C	ISO 75-2/B
1.8 MPa, not annealed	115	°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		

Recommended distributors for this material

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WECHAT