MAJORIS HFR671 - 8487

Polypropylene

AD majoris

Message:

HFR671 - 8487 is a glass fibre reinforced halogen free flame retardant compound with UL94 V0 classification, intended for injection moulding. The product is available in grey, but other colours can be provided on request.
In addition to having an extremely low level of toxicity and low smoke in the case of fire HFR671 - 8487 provides an excellent balance between the impact and stiffness, as well as high heat resistance.
HFR671 - 8487 is especially formulated to be copper resistant and long term heat stabilised.
APPLICATIONS
HFR671 - 8487 is designed for injection moulding applications primarily for capacitor housings.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	heat stabilizer Flame retardancy		
Features	Low smoke Low toxicity Recyclable materials Heat resistance, high Thermal Stability Copper contact stability Halogen-free Flame retardancy		
Uses	Electrical housing		
Appearance	Grey Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.52	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.80	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/50
Flexural Modulus [1]	5100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	12	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	117	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 240	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	1.0 mm/min		

Recommended distributors for this material

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