MAJORIS GT407 - 8487

Polypropylene

AD majoris

Message:

GT407 - 8487 is a 40% mineral filled polypropylene compound intended for injection moulding.
The product is also available in natural (GT407) but other colours can be provided on request.
GT407 - 8487 has a high flow rate, very good process and heat stability. This product is UV stabilised.
APPLICATIONS
Fuse and connector boxes
Miscellaneous electrical components
Household appliances
Automotive climate control parts
Products requiring rigidity, high dimensional stability, high heat distortion temperature can suitably be made from GT407 - 8487.

General Information	
Filler / Reinforcement	Mineral filler, 40% filler by weight
Additive	UV stabilizer
Features	Good dimensional stability Rigidity, high Good UV resistance Recyclable materials Workability, good High liquidity Thermal stability, good
Uses	Electrical components Electrical appliances Application in Automobile Field
Appearance	Available colors Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Molding Shrinkage	0.60 - 1.0	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	32.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus [1]	3800	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)	132	°C	ISO 75-2/B
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 - 270	°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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