

MALAT 04G192 NAT

Thermoplastic Polyester

AD majoris

Message:

MALAT 04G192 NAT is a glass fibre reinforced modified thermoplastic polyester, intended for injection moulding. The product is available in different colours.

It combines high mechanical, thermal properties with excellent processability and dimensional stability.

APPLICATIONS

MALAT 04G192 NAT is intended for the injection moulding of electrical components, automotive applications and mechanical systems, such as:

Electrical appliance components

Dashboard components

Miscellaneous

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good dimensional stability		
	Recyclable materials		
	Workability, good		
Uses	Electrical components		
	Home appliance components		
	Application in Automobile Field		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage	0.30 - 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4460	MPa	ISO 527-2/1
Tensile Stress (Break)	79.0	MPa	ISO 527-2/50
Tensile Strain (Break)	6.6	%	ISO 527-2/50
Flexural Modulus ¹	3650	MPa	ISO 178
Flexural Stress ²	131	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	48	kJ/m ²	ISO 179/1eU
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	240 - 270	°C	

Mold Temperature	80.0 - 120	°C
Injection Rate	Fast	
Injection instructions		
Back pressure: Moderate		
NOTE		
1.	2.0 mm/min	
2.	50 mm/min	

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