

GERMAMID 6 GF 50

Polyamide 6

Kunststoff-Kontor-Hamburg GmbH

Message:

GERMAMID 6 GF 50 is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Molding Shrinkage	0.10 to 0.50	%	ISO 294-4
Water Absorption (Saturation, 23°C)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2
Tensile Stress (Yield)	220	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Stress	300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	215	°C	ISO 75-2/B
Melting Temperature	218	°C	
Thermal Conductivity	0.32	W/m/K	ISO 8302
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093

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Recommended distributors for this material

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