

GERMAMID 6 GK 50

Polyamide 6

Kunststoff-Kontor-Hamburg GmbH

Message:

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

General Information			
Filler / Reinforcement	Glass Bead,50% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Molding Shrinkage	0.50 to 1.0	%	ISO 294-4
Water Absorption (Saturation, 23°C)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	200	°C	ISO 75-2/B
Melting Temperature	218	°C	
Thermal Conductivity	0.23	W/m/K	ISO 8302
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093

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Recommended distributors for this material

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