TEKUMID B H9 GF6 HS

PA6-GF30 Tekuma Kunststoff GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**50**	g/10min	ISO 1133
Temperature	**275**	°C	-
Load	**5**	kg	-

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**7600 / 6500**	MPa	ISO 527
Tensile Strength	**120 / 100**	MPa	ISO 527
Flexural strength	**190 / 120**	MPa	ISO 178
Charpy impact strength, +23°C	**70 / 70**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**70 / 60**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**20 / 22**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**14 / 14**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**200 / ***	°C	ISO 75-1/-2
Vicat softening temperature, B	**200 / ***	°C	ISO 306
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13 / 1E10**	Ohm*m	IEC 62631-3-1
Surface resistivity	*** / 1E13**	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	**1.8 / ***	%	Sim. to ISO 62
Density	**1360 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**>2**	h	-
Processing humidity	**≤0.15**	%	-
Melt temperature	**260 - 290**	°C	-
Mold temperature	**60 - 100**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat