

WELLAMID 6000 GV 40 HWCP

PA6-GF40

CP-Polymer-Technik GmbH & Co.KG

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	11500 / 8300	MPa	ISO 527
Tensile Strength	200 / 140	MPa	ISO 527
Strain at break	2.5 / 5	%	ISO 527
Flexural modulus, 23°C	9500 / -	MPa	ISO 178
Charpy impact strength, +23°C	98 / 110	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 35	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	223 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	215 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	200 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	4 / 6	-	IEC 62631-2-1
Dissipation factor, 1MHz	180 / 1800	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	40 / 35	kV/mm	IEC 60243-1
Comparative tracking index	550 / -	-	IEC 60112
Other properties			
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1480 / -	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Regional Availability

Europe