

WELLAMID 6600-PA66-GV 25 HWV0CP

PA666-GF25

CP-Polymer-Technik GmbH & Co.KG

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	9200 / 7200	MPa	ISO 527
Tensile Strength	130 / 95	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Flexural modulus, 23°C	8100 / -	MPa	ISO 178
Charpy impact strength, +23°C	65 / 95	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 18	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	240 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	225 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	235 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	230 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	25 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Yellow Card available	yes / *	-	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	4 / 6	-	IEC 62631-2-1
Dissipation factor, 1MHz	150 / 1500	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	600 / -	-	IEC 60112
Other properties			
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1370 / -	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

Regional Availability

Europe