WELLAMID 6600 CF 30 HWCP

PA66-CF30 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	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**21000 / 16000**	MPa	ISO 527
Tensile Strength	**205 / 145**	MPa	ISO 527
Strain at break	**1.6 / 3.5**	%	ISO 527
Flexural modulus, 23°C	**18500 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**42 / 78**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7 / 18**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**250 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**250 / ***	°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.	**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	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**10 / 10**	Ohm*m	IEC 62631-3-1
Surface resistivity	*** / 1000**	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Humidity absorption	**2 / ***	%	Sim. to ISO 62
Density	**1270 / -**	kg/m³	ISO 1183

Characteristics

Special Characteristics

Increased electrical conductivity, Heat stabilized or stable to heat

Regional Availability

Europe

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