

WELLAMID 6600/58 HWCP

PA66

CP-Polymer-Technik GmbH & Co.KG

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|------------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.8 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.2 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 2300 / 1000 | MPa | ISO 527 |
| Tensile Strength | 55 / 45 | MPa | ISO 527 |
| Yield stress | 5 / 32 | MPa | ISO 527 |
| Strain at break | >50 / >50 | % | ISO 527 |
| Flexural modulus, 23°C | 1900 / - | MPa | ISO 178 |
| Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 65 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 150 / * | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 200 / * | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 90 / * | 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 | 3.4 / 5 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 150 / 700 | 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 | 30 / 30 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other properties | | | |
| Humidity absorption | 2.7 / * | % | Sim. to ISO 62 |
| Density | 1070 / - | kg/m ³ | ISO 1183 |

Characteristics**Special Characteristics**

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

Regional Availability

Europe