

# GERMAMID B 6.6 GF 50

Polyamide 66

Kunststoff-Kontor-Hamburg GmbH

## Message:

GERMAMID B 6.6 GF 50 is a Polyamide 66 (Nylon 66) material filled with 50% glass fiber. It is available in Europe.

| General Information                               |                                  |                   |             |
|---------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass Fiber,50% Filler by Weight |                   |             |
| Forms                                             | Pellets                          |                   |             |
| Physical                                          | Nominal Value                    | Unit              | Test Method |
| Density                                           | 1.54                             | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                 | 0.10 to 0.50                     | %                 | ISO 294-4   |
| Water Absorption (Saturation, 23°C)               | 1.2                              | %                 | ISO 62      |
| Mechanical                                        | Nominal Value                    | Unit              | Test Method |
| Tensile Modulus                                   | 15000                            | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                            | 200                              | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 2.0                              | %                 | ISO 527-2   |
| Impact                                            | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength                    | 7.0                              | kJ/m <sup>2</sup> | ISO 179     |
| Charpy Unnotched Impact Strength                  | 40                               | kJ/m <sup>2</sup> | ISO 179     |
| Thermal                                           | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 250                              | °C                | ISO 75-2/A  |
| Melting Temperature                               | 255                              | °C                |             |
| Thermal Conductivity                              | 0.20                             | W/m/K             | ISO 8302    |
| Electrical                                        | Nominal Value                    | Unit              | Test Method |
| Surface Resistivity                               | 1.0E+12                          | ohms              | IEC 60093   |

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