

# GERMAMID 6 MF 30

Polyamide 6

Kunststoff-Kontor-Hamburg GmbH

Message:

GERMAMID 6 MF 30 is a Polyamide 6 (Nylon 6) material filled with 30% mineral. It is available in Europe.

| General Information                                |                              |                   |             |
|----------------------------------------------------|------------------------------|-------------------|-------------|
| Filler / Reinforcement                             | Mineral,30% Filler by Weight |                   |             |
| Forms                                              | Pellets                      |                   |             |
| Physical                                           | Nominal Value                | Unit              | Test Method |
| Density                                            | 1.36                         | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                  | 0.50 to 0.90                 | %                 | ISO 294-4   |
| Water Absorption (Saturation, 23°C)                | 2.3                          | %                 | ISO 62      |
| Mechanical                                         | Nominal Value                | Unit              | Test Method |
| Tensile Modulus                                    | 5000                         | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                             | 85.0                         | MPa               | ISO 527-2   |
| Tensile Strain (Break)                             | 5.0                          | %                 | ISO 527-2   |
| Flexural Stress                                    | 140                          | MPa               | ISO 178     |
| Impact                                             | Nominal Value                | Unit              | Test Method |
| Charpy Notched Impact Strength                     | 12                           | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength                   | 60                           | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                            | Nominal Value                | Unit              | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 190                          | °C                | ISO 75-2/B  |
| Melting Temperature                                | 218                          | °C                |             |
| Thermal Conductivity                               | 0.30                         | W/m/K             | ISO 8302    |
| Electrical                                         | Nominal Value                | Unit              | Test Method |
| Surface Resistivity                                | 1.0E+12                      | ohms              | IEC 60093   |

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