


 Organizzazione con sistema
 di gestione della qualità
 certificato **ISO 9001**

 Organizzazione con sistema
 di gestione della sicurezza
 certificato **ISO 45001**

TECHNICAL DATA SHEET – PA66 GF 30

Product characteristics

- Good dimensional stability
- High hardness and rigidity
- Very high heat deflection temperature

Product applications

- Mechanical engineering
- Electronic industry
- Aircraft construction

| | Test method | Unit | Value |
|---|-----------------------------|----------------------|------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g/cm ³ | 1,32 |
| Water absorption | DIN EN ISO 62 | % | 1,7 |
| Flammability (th. 3-6 mm) | UL 94 | | HB / HB |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 85 |
| Elongation at break | DIN EN ISO 527 | % | 5 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 4500 |
| Notched impact strength | DIN EN ISO 179 | kJ/m ² | 4 |
| Shore hardness | DIN EN ISO 868 | Scale D | 86 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | 260 |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,24 |
| Thermal capacity | DIN 52612 | kJ / (kg * K) | 1,50 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 50 |
| Service temperature, short term (max) | Average | °C | 200 |
| Service temperature, long term | Average | °C | -20... 120 |
| Heat deflection temperature | DIN EN ISO 75, Verf. A, HDT | °C | 150 |

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