

Novamid® ID 1030

PA6/66

3D printing grade

Print Date: 2019-09-18

| Properties | Typical Data | Unit | Test Method |
|--|--------------|-------------------|----------------|
| Thermal properties | | | |
| | dry / cond | | |
| Melting temperature (10°C/min) | 200 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 51 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 84 / * | °C | ISO 75-1/-2 |
| Other properties | | | |
| | dry / cond | | |
| Water absorption | 13 / * | % | Sim. to ISO 62 |
| Humidity absorption | 3.8 / * | % | Sim. to ISO 62 |
| Density | 1110 / - | kg/m ³ | ISO 1183 |
| Material specific properties | | | |
| | Value | | |
| Maximum tensile stress (3D printed tensile bars) 45°-45° | 37 | MPa | ISO 527-1/-2 |
| Tensile modulus (3D printed tensile bars) 45°-45° | 860 | MPa | ISO 527-1/-2 |
| Elongation at break (3D printed tensile bars) 45°-45° | 110 | % | ISO 527-1/-2 |

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