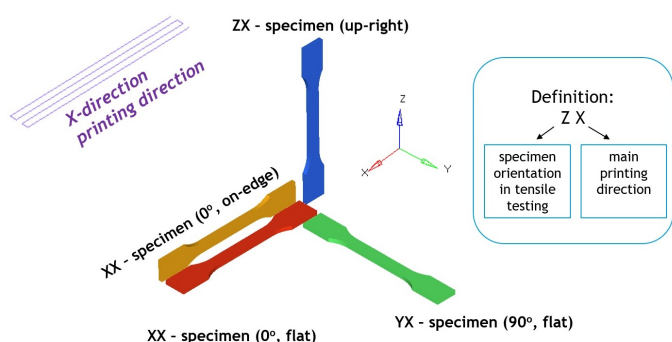


Novamid® ID1030

PA6/66

3D printing grade

Print Date: 2021-02-26



| Properties | Typical Data | Unit | Test Method |
|---|-------------------|-------------------|----------------|
| Mechanical properties (injection molded) | dry / cond | | |
| Tensile modulus | 2330 / 440 | MPa | ISO 527-1/-2 |
| Yield stress | 71.5 / 31 | MPa | ISO 527-1/-2 |
| Yield strain | 4.5 / 24 | % | ISO 527-1/-2 |
| Stress at break | 41.5 / 45.5 | MPa | ISO 527-1/-2 |
| Strain at break | >50 / >50 | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | N / - | kJ/m ² | ISO 179/1eU |
| Thermal properties | dry / cond | | |
| Melting temperature (10°C/min) | 200 / * | °C | ISO 11357-1/-3 |
| Thermal properties (injection molded) | dry / cond | | |
| 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 |

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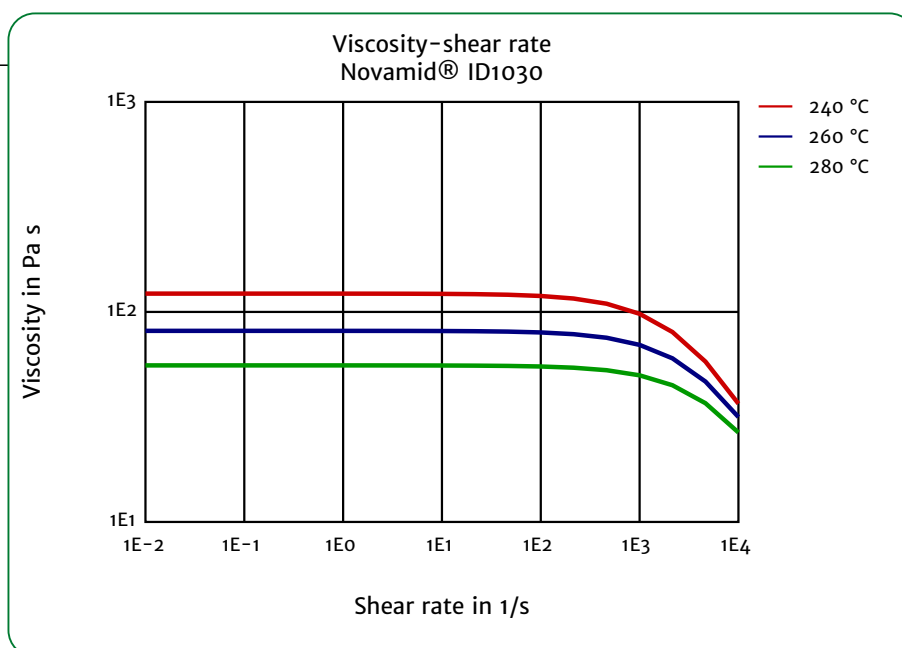
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Novamid[®] ID1030

Print Date: 2021-02-26

| Properties | Typical Data | Unit | Test Method |
|-------------------------------------|--------------|--------------------|---------------------|
| Material specific properties | | | |
| Viscosity number | 246 / * | cm ³ /g | ISO 307, 1157, 1628 |
| Rheological properties | | | |
| Melt flow index MFI | 2.6 / * | g/10min | ISO 1133 |
| MFI test load | 2.16 / * | kg | ISO 1133 |
| MFI test temperature | 230 | °C | ISO 1133 |
| Other properties | | | |
| Water absorption | 13 / * | % | Sim. to ISO 62 |
| Humidity absorption | 3.8 / * | % | Sim. to ISO 62 |
| Density | 1110 / - | kg/m ³ | ISO 1183 |

Viscosity-shear rate



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