

Stanyl® ForTii™ MX1 (NC1102C)

PA4T-GF30

DSM Engineering Plastics

| Rheological properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.4 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.3 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 11000 / 11000 | MPa | ISO 527-1/-2 |
| Stress at break | 180 / 180 | MPa | ISO 527-1/-2 |
| Strain at break | 2 / 2 | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | 60 / 60 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 10 / 10 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature (10°C/min) | 325 / * | °C | ISO 11357-1/-3 |
| Glass transition temperature, 10°C/min | 125 / * | °C | ISO 11357-1/-2 |
| Temp. of deflection under load (1.80 MPa) | 305 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 320 / * | °C | ISO 75-1/-2 |
| Electrical properties | | | |
| ISO Data | | | |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other properties | | | |
| ISO Data | | | |
| Humidity absorption | 2 / * | % | Sim. to ISO 62 |
| Density | 1410 / - | kg/m ³ | ISO 1183 |

Characteristics**Processing**

Injection Molding

Additives

Lubricants, Release agent

Delivery form

Granules

Special Characteristics

Heat stabilized or stable to heat