

NYLEM 6 GFR 30 IM

PA6-GF30

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| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 6500 | MPa | ISO 527 |
| Tensile Strength | 100 | MPa | ISO 527 |
| Strain at break | 8 | % | ISO 527 |
| Izod notched impact strength, +23°C | 15 | kJ/m ² | ISO 180/1A |
| Shore D hardness | 83 | - | ISO 7619-1 |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|------|----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 220 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 190 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 220 | °C | ISO 306 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1300 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Melt temperature | 250 - 300 | °C | - |
| Mold temperature | 80 - 100 | °C | - |

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

Europe, Near East/Africa

Special Characteristics

High impact or impact modified