

**NYLEM 6 GFR 30**

PA6-GF30

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| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                            |              |             |                      |
| Molding shrinkage, parallel                | <b>0.1</b>   | %           | ISO 294-4, 2577      |

| <b>Mechanical properties</b>        | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                     |              |                   |                      |
| Tensile Modulus                     | <b>8750</b>  | MPa               | ISO 527              |
| Tensile Strength                    | <b>165</b>   | MPa               | ISO 527              |
| Strain at break                     | <b>2</b>     | %                 | ISO 527              |
| Izod notched impact strength, +23°C | <b>10</b>    | kJ/m <sup>2</sup> | ISO 180/1A           |
| Shore D hardness                    | <b>83</b>    | -                 | ISO 7619-1           |

| <b>Thermal properties</b>                | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                          |              |             |                      |
| Melting temperature, 10°C/min            | <b>220</b>   | °C          | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa | <b>205</b>   | °C          | ISO 75-1/-2          |
| Vicat softening temperature, B           | <b>220</b>   | °C          | ISO 306              |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1340</b>  | kg/m <sup>3</sup> | ISO 1183             |

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

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Regional Availability**

Europe, Near East/Africa