



## PA6.6 GF30 10x1000 mm svart

Artikelnr P1002475

Material PA

### Tekniska egenskaper

#### Density & Weight

| Egenskap | Värde | Enhet             | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density  | 1.3   | g/cm <sup>3</sup> | ISO 1183          |

#### Tensile Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 100   | MPa   | ISO 527           |
| Modulus of elasticity (tensile) | 5900  | MPa   | ISO 527-2         |
| Breakdown Voltage               | 100   | MPa   | ISO 527-2         |
| Break Elongation                | 5     | %     | ISO 527-2         |

#### Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--|-------|-------|-------------------|
| Melting point                              | 257.5 | °C    | ISO 3146          |
| Maximal operating temperature (short-term) | 175   | °C    | UL746B            |
| Maximum Operating Temperature              | 120   | °C    |                   |
| Minimum temperature                        | -20   | °C    |                   |
| Heat deflection temperature (HDT/A)        | 150   | °C    | ISO 75-2          |
| Heat deflection temperature (HDT/B)        | 250   | °C    | ISO 75            |

#### Insulation Properties

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
|----------|-------|-------|-------------------|

| Egenskap                       | Värde                   | Enhet | Provningsstandard |
|--------------------------------|-------------------------|-------|-------------------|
| Dielectric Strength            | <b>30</b>               | kV/mm | IEC 60243-1       |
| Volume Resistivity             | <b>~10<sup>14</sup></b> | Ω·cm  | IEC 60093         |
| Dielectric Constant (1 MHz)    | <b>3.6</b>              | -     | IEC 60250         |
| Dielectric loss factor (1 MHz) | <b>0.0</b>              | -     | IEC 60250         |

### Thermal Conductivity

| Egenskap             | Värde       | Enhet   | Provningsstandard |
|----------------------|-------------|---------|-------------------|
| Thermal Conductivity | <b>0.31</b> | W/(m·K) | DIN 52612         |

### Static spread

| Egenskap                         | Värde                   | Enhet | Provningsstandard |
|----------------------------------|-------------------------|-------|-------------------|
| Surface Resistivity              | <b>~10<sup>13</sup></b> | Ω     | IEC 60093         |
| Comparative Tracking Index (CTI) | <b>475</b>              | V     | IEC 60112         |

### Moisture Absorption

| Egenskap                       | Värde      | Enhet | Provningsstandard |
|--------------------------------|------------|-------|-------------------|
| Water absorption to saturation | <b>3.6</b> | %     | ISO 62            |
| Water Absorption to Saturation | <b>5.5</b> | %     | ISO 62            |

### Impact Resistance

| Egenskap                         | Värde     | Enhet             | Provningsstandard |
|----------------------------------|-----------|-------------------|-------------------|
| Notched impact strength (Charpy) | <b>6</b>  | kJ/m <sup>2</sup> | ISO 179/1eA       |
| Impact Resistance (Charpy)       | <b>50</b> | kJ/m <sup>2</sup> | ISO 179/1eU       |

### Thermal Expansion

| Egenskap                      | Värde      | Enhet               | Provningsstandard |
|-------------------------------|------------|---------------------|-------------------|
| Thermal Expansion Coefficient | <b>0.5</b> | 10 <sup>-4</sup> /K | ISO 11359         |

### Hardness

| Egenskap               | Värde      | Enhet     | Provningsstandard |
|------------------------|------------|-----------|-------------------|
| Hardness Shore D       | <b>85</b>  | ° Shore D | ISO 868           |
| Ball pressure hardness | <b>165</b> | MPa       | ISO 2039-1        |

### Godkännanden

REACH    RoHS

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Genererad 2026-03-26 - Specifikationer kan ändras utan förhandsmeddelande.