



PA6.6 GF30 120x3000 mm svart

Artikelnr P1002532  
Material PA

Tekniska egenskaper

Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.3   | g/cm³ | 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            | 30                | kV/mm | IEC 60243-1       |
| Volume Resistivity             | ~10 <sup>14</sup> | Ω·cm  | IEC 60093         |
| Dielectric Constant (1 MHz)    | 3.6               | -     | IEC 60250         |
| Dielectric loss factor (1 MHz) | 0.0               | -     | IEC 60250         |

Thermal Conductivity

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

Static spread

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

Moisture Absorption

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

Impact Resistance

| Egenskap                         | Värde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 6     | kJ/m² | ISO 179/1eA       |
| Impact Resistance (Charpy)       | 50    | kJ/m² | ISO 179/1eU       |

Thermal Expansion

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

Hardness

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

Godkännanden

- REACH
- RoHS

PlastShop.se - Söderleden 22, 587 31 Linköping Tel: +46 13 328 94 00 - [info@plastshop.se](mailto:info@plastshop.se)

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