



PA6 GF30 1000x610x40 mm svart

Artikelnr P1001518

Material PA

Tekniska egenskaper

Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.34  | g/cm³ | ISO 1183          |

Tensile Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Modulus of elasticity (tensile) | 8700  | MPa   | ISO 527-2         |

Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 220   | °C    | ISO 3146          |
| Maximal operating temperature (short-term) | 180   | °C    |                   |
| Maximum Operating Temperature              | 100   | °C    |                   |
| Minimum temperature                        | -20   | °C    |                   |
| Heat deflection temperature (HDT/A)        | 210   | °C    | ISO 75-2          |

Insulation Properties

| Egenskap           | Värde            | Enhet | Provningsstandard |
|--------------------|------------------|-------|-------------------|
| Volume Resistivity | 10 <sup>14</sup> | Ω·cm  | IEC 60093         |

Flexural Properties

| Egenskap          | Värde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 120   | MPa   | ISO 527-2         |

Thermal Conductivity

| Egenskap             | Värde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.28  | W/(m·K) | DIN 52612         |

Static spread

| Egenskap            | Värde            | Enhet | Provningsstandard |
|---------------------|------------------|-------|-------------------|
| Surface Resistivity | 10 <sup>13</sup> | Ω     | IEC 60093         |

Moisture Absorption

| Egenskap                       | Värde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 2.1   | %     | ISO 62            |
| Water Absorption to Saturation | 6.6   | %     | ISO 62            |

Impact Resistance

| Egenskap                         | Värde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 5     | kJ/m² | ISO 179/1eA       |
| Impact Resistance (Charpy)       | 50    | kJ/m² | ISO 179/1eU       |

Thermal Expansion

| Egenskap                      | Värde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.26  | 10 <sup>-4</sup> /K | DIN 11359         |

Hardness

| Egenskap               | Värde | Enhet | Provningsstandard |
|------------------------|-------|-------|-------------------|
| Ball pressure hardness | 43    | MPa   | ISO 2039-1        |

Godkännanden

- REACH
- RoHS