



## PA6 GL 2000x1000x90 mm grön

Artikelnr P1600248

Material PA

### Tekniska egenskaper

#### Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.1   | g/cm³ | DIN EN ISO 1183-1 |

#### Tensile Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 67.5  | MPa   | DIN EN ISO 527    |
| Modulus of elasticity (tensile) | 3000  | MPa   | DIN EN ISO 527    |
| Break Elongation                | 198.5 | %     | DIN EN ISO 527    |

#### Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 218   | °C    | ISO 11357-3       |
| Maximal operating temperature (short-term) | 162.5 | °C    |                   |
| Maximum Operating Temperature              | 109   | °C    |                   |
| Minimum temperature                        | -40   | °C    |                   |
| Heat deflection temperature (HDT/A)        | 90    | °C    | ISO 75            |

#### Insulation Properties

| Egenskap            | Värde            | Enhet | Provningsstandard |
|---------------------|------------------|-------|-------------------|
| Dielectric Strength | 20               | kV/mm | IEC 60243         |
| Volume Resistivity  | 10 <sup>15</sup> | Ω·cm  | DIN EN 62631-3-1  |

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Dielectric Constant (1 MHz)     | 3.7   | -     | IEC 60250         |
| Dielectric loss factor (100 Hz) | 0.02  | -     | IEC 60250         |

Thermal Conductivity

| Egenskap             | Värde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.3   | W/(m·K) | DIN 52612-1       |

Static spread

| Egenskap                         | Värde            | Enhet | Provningsstandard |
|----------------------------------|------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>13</sup> | Ω     | DIN EN 62631-3-2  |
| Comparative Tracking Index (CTI) | 600              | V     | IEC 60112         |

Moisture Absorption

| Egenskap                       | Värde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 5.65  | %     | DIN EN ISO 62     |
| Water Absorption to Saturation | 5.65  | %     | DIN EN ISO 62     |

Impact Resistance

| Egenskap                         | Värde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 13    | kJ/m² | DIN EN ISO 179    |

Thermal Expansion

| Egenskap                      | Värde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.7   | 10 <sup>-4</sup> /K | DIN 53752         |

Hardness

| Egenskap         | Värde | Enhet     | Provningsstandard |
|------------------|-------|-----------|-------------------|
| Hardness Shore D | 81    | ° Shore D | ISO 868           |