



## PA6.6 FG 115x1000 mm natur

Artikelnr P1002327  
Kategori PA

### Tekniska egenskaper

#### Density & Weight

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.14  | g/cm³ | ISO 1183          |

#### Tensile Properties

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 80    | MPa   | ISO 527           |
| Modulus of elasticity (tensile) | 3285  | MPa   | ISO 527-2         |
| Break Elongation                | 55    | %     | ISO 527-2         |

#### Temperature Limits

| Egenskap                                   | VÄrde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 260   | °C    | ISO 3146          |
| Maximal operating temperature (short-term) | 140   | °C    | UL746B            |
| Maximum Operating Temperature              | 95    | °C    |                   |
| Minimum temperature                        | -30   | °C    |                   |
| Heat deflection temperature (HDT/A)        | 92.5  | °C    | ISO 75-2          |
| Heat deflection temperature (HDT/B)        | 200   | °C    | ISO 75-2          |

#### Insulation Properties

| Egenskap            | VÄrde | Enhet | Provningsstandard |
|---------------------|-------|-------|-------------------|
| Dielectric Strength | 28.5  | kV/mm | IEC 60243-1       |
| Volume Resistivity  | ~10¹¹ | Ω·cm  | IEC 60093         |

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Dielectric Constant (1 MHz)     | 3.45  | -     | IEC 60250         |
| Dielectric Constant (100 Hz)    | 3.8   | -     | IEC 60250         |
| Dielectric loss factor (1 MHz)  | 0.11  | -     | IEC 60250         |
| Dielectric loss factor (100 Hz) | 0.0   | -     | IEC 60250         |

Flexural Properties

| Egenskap          | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 1455  | MPa   | ISO 178           |

Thermal Conductivity

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

Static spread

| Egenskap                         | VÄrde  | Enhet | Provningsstandard |
|----------------------------------|--------|-------|-------------------|
| Surface Resistivity              | 10Â¹Â³ | Î©    | IEC 60093         |
| Comparative Tracking Index (CTI) | 600    | V     | IEC 60112         |

Moisture Absorption

| Egenskap                       | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 5.45  | %     | ISO 62            |
| Water Absorption to Saturation | 8.75  | %     | ISO 62            |

Impact Resistance

| Egenskap                         | VÄrde | Enhet  | Provningsstandard |
|----------------------------------|-------|--------|-------------------|
| Notched impact strength (Charpy) | 6     | kJ/mÂ² | ISO 179/1eA       |

Thermal Expansion

| Egenskap                      | VÄrde | Enhet   | Provningsstandard |
|-------------------------------|-------|---------|-------------------|
| Thermal Expansion Coefficient | 0.8   | 10â»/K | DIN 11359         |

Hardness

| Egenskap               | VÄrde | Enhet      | Provningsstandard |
|------------------------|-------|------------|-------------------|
| Hardness Shore D       | 83    | Â° Shore D | ISO 868           |
| Ball pressure hardness | 160   | MPa        | ISO 2039-1        |

Godk nnanden

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