



## PPS 16x1000 mm natur

Artikelnr P1010761  
Kategori PPS

### Tekniska egenskaper

#### Density & Weight

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.65  | g/cm³ | ISO 1183          |

#### Tensile Properties

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 83    | MPa   | ISO 527           |
| Modulus of elasticity (tensile) | 7630  | MPa   | ISO 527           |
| Breakdown Voltage               | 136.5 | MPa   | ISO 527           |
| Break Elongation                | 4     | %     | ISO 527           |

#### Temperature Limits

| Egenskap                                   | VÄrde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 280   | °C    | ISO 3146          |
| Maximal operating temperature (short-term) | 230   | °C    | UL746B            |
| Maximum Operating Temperature              | 162   | °C    |                   |
| Minimum temperature                        | -13   | °C    |                   |
| Heat deflection temperature (HDT/A)        | 260   | °C    | ISO 75            |

#### Insulation Properties

| Egenskap            | VÄrde | Enhet | Provningsstandard |
|---------------------|-------|-------|-------------------|
| Dielectric Strength | 28    | kV/mm | IEC 60243-1       |
| Volume Resistivity  | 10¹¹  | Ω·cm  | DIN EN 62631-3-1  |

| Egenskap                       | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Dielectric Constant (1 MHz)    | 3.6   | -     | IEC 60250         |
| Dielectric loss factor (1 MHz) | 0.0   | -     | IEC 60250         |

Flexural Properties

| Egenskap          | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 144   | MPa   | ISO 178           |

Thermal Conductivity

| Egenskap             | VÄrde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.25  | W/(m·K) | DIN 52612         |

Static spread

| Egenskap                         | VÄrde              | Enhet | Provningsstandard |
|----------------------------------|--------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>10</sup> Ω | Ω     | DIN EN 62631-3-2  |
| Comparative Tracking Index (CTI) | 125                | V     | IEC 60112         |

Moisture Absorption

| Egenskap                       | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 0.02  | %     | ISO 62            |
| Water Absorption to Saturation | 0.02  | %     | ISO 62            |

Impact Resistance

| Egenskap                         | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 5     | kJ/m² | DIN EN ISO 179    |
| Impact Resistance (Charpy)       | 27    | kJ/m² | ISO 179           |

Thermal Expansion

| Egenskap                      | VÄrde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.3   | 10 <sup>-6</sup> /K | DIN 11359         |

Hardness

| Egenskap               | VÄrde | Enhet      | Provningsstandard |
|------------------------|-------|------------|-------------------|
| Hardness Shore D       | 90    | Å° Shore D | ISO 868           |
| Ball pressure hardness | 343   | MPa        | ISO 2039          |

Godkännanden

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