



## PP-H 75x1000 mm natur

Artikelnr P1010095  
Material PP

### Tekniska egenskaper

#### Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 0.91  | g/cm³ | ISO 1183          |

#### Tensile Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 36    | MPa   | ISO 527           |
| Modulus of elasticity (tensile) | 1700  | MPa   | ISO 527-2         |
| Breakdown Voltage               | 30    | MPa   | ISO 527           |
| Break Elongation                | 8     | %     | ISO 527-2         |

#### Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 161   | °C    | DIN EN ISO 11357  |
| Maximal operating temperature (short-term) | 127   | °C    | UL746B            |
| Maximum Operating Temperature              | 80    | °C    |                   |
| Minimum temperature                        | -7    | °C    |                   |
| Heat deflection temperature (HDT/A)        | 54    | °C    | ISO 75            |
| Heat deflection temperature (HDT/B)        | 90    | °C    | ISO 75            |
| Vicat softening temperature (VST/B/50)     | 50    | °C    | ISO 306           |

#### Insulation Properties

| Egenskap                        | Värde            | Enhet | Provningsstandard |
|---------------------------------|------------------|-------|-------------------|
| Dielectric Strength             | 40               | kV/mm | IEC 60243-1       |
| Volume Resistivity              | 10 <sup>14</sup> | Ω     | DIN EN 62631-3-1  |
| Dielectric Constant (1 MHz)     | 2.4              | -     | IEC 60250         |
| Dielectric loss factor (1 MHz)  | 13.4             | -     | IEC 60250         |
| Dielectric loss factor (100 Hz) | 0.0              | -     | IEC 60250         |

### Fire Classification

| Egenskap                            | Värde | Enhet | Provningsstandard |
|-------------------------------------|-------|-------|-------------------|
| Flammability Classification (UL 94) | 60695 |       | UL 94             |

### Flexural Properties

| Egenskap          | Värde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 37    | MPa   | DIN EN ISO 527-2  |

### Thermal Conductivity

| Egenskap             | Värde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.27  | W/(m·K) | ISO 22007-4       |

### Static spread

| Egenskap                         | Värde            | Enhet | Provningsstandard |
|----------------------------------|------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>13</sup> | Ω     | IEC 60093         |
| Comparative Tracking Index (CTI) | 600              | V     | IEC 60112         |

### Moisture Absorption

| Egenskap                       | Värde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 0.2   | %     | ISO 62            |
| Water Absorption to Saturation | 0.2   | %     | ISO 62            |

### Impact Resistance

| Egenskap                         | Värde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 9     | kJ/m² | ISO 179/1eA       |
| Impact Resistance (Charpy)       | 7.7   | kJ/m² | ISO 179           |

### Thermal Expansion

| Egenskap                      | Värde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 1.6   | 10 <sup>-4</sup> /K | ISO 11359-2       |

Hardness

| Egenskap               | Värde | Enhet     | Provningsstandard |
|------------------------|-------|-----------|-------------------|
| Hardness Shore D       | 72    | ° Shore D | ISO 868           |
| Ball pressure hardness | 110   | MPa       | ISO 2039          |

Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS