



PE-500 3000x1250x50 mm natur

Artikelnr P1200371

Material PE

Tekniska egenskaper

Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.3   | g/cm³ | DIN EN ISO 1183-1 |

Tensile Properties

| Egenskap                        | Värde  | Enhet | Provningsstandard |
|---------------------------------|--------|-------|-------------------|
| Tensile Strength                | 24.2   | MPa   | DIN EN ISO 527    |
| Modulus of elasticity (tensile) | 1100   | MPa   | DIN EN ISO 527    |
| Break Elongation                | 138.75 | %     | DIN EN ISO 527    |

Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 132.5 | °C    | ISO 11357-3       |
| Maximal operating temperature (short-term) | 80    | °C    |                   |
| Maximum Operating Temperature              | 54    | °C    |                   |
| Minimum temperature                        | -100  | °C    |                   |
| Vicat softening temperature (VST/B/50)     | 79    | °C    | DIN EN ISO 306    |

Insulation Properties

| Egenskap            | Värde            | Enhet | Provningsstandard |
|---------------------|------------------|-------|-------------------|
| Dielectric Strength | 40               | kV/mm | IEC 60243         |
| Volume Resistivity  | 10 <sup>14</sup> | Ω     | DIN EN 62631-3-1  |

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Dielectric Constant (1 MHz)     | 2.3   | -     | IEC 60250         |
| Dielectric loss factor (1 MHz)  | 0.0   | -     | IEC 60250         |
| Dielectric loss factor (100 Hz) | 0.0   | -     | IEC 60250         |

### Fire Classification

| Egenskap                            | Värde | Enhet | Provningsstandard |
|-------------------------------------|-------|-------|-------------------|
| Flammability Classification (UL 94) | 3     |       | UL 94             |

### Thermal Conductivity

| Egenskap             | Värde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.4   | W/(m·K) | DIN 52612-1       |

### Static spread

| Egenskap                         | Värde            | Enhet | Provningsstandard |
|----------------------------------|------------------|-------|-------------------|
| Surface Resistivity              | ~10 <sup>8</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 | 0.0   | %     | DIN EN ISO 62     |
| Water Absorption to Saturation | 0.0   | %     | DIN EN ISO 62     |

### Impact Resistance

| Egenskap                         | Värde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Notched impact strength (Charpy) | 2     | kJ/m² | DIN EN ISO 179    |

### Thermal Expansion

| Egenskap                      | Värde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 2.4   | 10 <sup>-4</sup> /K | DIN 53752         |

### Hardness

| Egenskap               | Värde | Enhet     | Provningsstandard |
|------------------------|-------|-----------|-------------------|
| Hardness Shore D       | 65    | ° Shore D | DIN EN ISO 868    |
| Ball pressure hardness | 50    | MPa       | ISO 2039-1        |

## Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS

