



## PE-500 2000x1000x40 mm grÅ¥

Artikelnr P1400406  
Kategori 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          | 10¹¹  | Ω·m   | DIN EN 62631-3-1  |
| Dielectric Constant (1 MHz) | 2.3   | -     | IEC 60250         |

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| 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/(mÂ·K) | DIN 52612-1       |

Static spread

| Egenskap                         | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------|-------|-------------------|
| Surface Resistivity              | ~10â, | Î©    | 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/mÂ² | DIN EN ISO 179    |

Thermal Expansion

| Egenskap                      | VÄrde | Enhet    | Provningsstandard |
|-------------------------------|-------|----------|-------------------|
| Thermal Expansion Coefficient | 2.4   | 10â»â´/K | DIN 53752         |

Hardness

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

Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS

