



## PE-1000 3000x1250x25 mm grön

Artikelnr P2200739

Material PE

### Tekniska egenskaper

#### Density & Weight

| Egenskap | Värde | Enhet             | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density  | 0.95  | g/cm <sup>3</sup> | ISO 1183          |

#### Tensile Properties

| Egenskap                        | Värde | Enhet | Provningsstandard  |
|---------------------------------|-------|-------|--------------------|
| Tensile Strength                | 17    | MPa   | ISO 527            |
| Modulus of elasticity (tensile) | 800   | MPa   | DIN EN ISO 527-1/2 |
| Breakdown Voltage               | 40    | MPa   | ISO 527            |
| Break Elongation                | 200   | %     | ISO 527            |

#### Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 135   | °C    | ISO 3146          |
| Maximal operating temperature (short-term) | 100   | °C    |                   |
| Maximum Operating Temperature              | 64    | °C    |                   |
| Minimum temperature                        | -214  | °C    | UL746B            |
| Heat deflection temperature (HDT/A)        | 42    | °C    | ISO 75            |
| Heat deflection temperature (HDT/B)        | 65    | °C    | ISO 75            |
| Vicat softening temperature (VST/B/50)     | 79    | °C    | DIN EN ISO 306    |

#### Insulation Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Dielectric Strength             | 45    | kV/mm | IEC 60243-1       |
| Volume Resistivity              | 1     | Ω     | IEC 60093         |
| Dielectric Constant (1 MHz)     | 2.3   | -     | IEC 60250         |
| Dielectric Constant (100 Hz)    | 2.55  | -     | 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             |

### Flexural Properties

| Egenskap          | Värde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 17    | MPa   | ISO 527-2         |

### Thermal Conductivity

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

### Static spread

| Egenskap                         | Värde            | Enhet | Provningsstandard |
|----------------------------------|------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>12</sup> | Ω     | IEC 60093         |
| Comparative Tracking Index (CTI) | 600              | V     | IEC 60112         |

### Moisture Absorption

| Egenskap                       | Värde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 0.01  | %     |                   |
| Water Absorption to Saturation | 0.01  | %     | ISO 62            |

### Impact Resistance

| Egenskap                         | Värde | Enhet | Provningsstandard  |
|----------------------------------|-------|-------|--------------------|
| Notched impact strength (Charpy) | 80    | kJ/m² | ISO 11542-2        |
| Impact Resistance (Charpy)       | 80    | kJ/m² | DIN EN ISO 179-1/2 |

### Thermal Expansion

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
|----------|-------|-------|-------------------|

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

### Hardness

| Egenskap               | Värde | Enhet     | Provningsstandard |
|------------------------|-------|-----------|-------------------|
| Hardness Shore D       | 60    | ° Shore D | shore D           |
| Ball pressure hardness | 34    | MPa       | ISO 2039-1        |

### Compressive Properties

| Egenskap                       | Värde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Creep Voltage at 1% Elongation | 24    | MPa   | ISO 178           |

### Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS