



**PE-HD 225x1000 mm natur**

|           |          |
|-----------|----------|
| Artikelnr | P1003305 |
| Kategori  | PE       |

## Tekniska egenskaper

### Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 0.96  | g/cm³ | ISO 1183          |

## Tensile Properties

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 20    | MPa   | ISO 527           |
| Modulus of elasticity (tensile) | 1200  | MPa   | ISO 527           |
| Breakdown Voltage               | 13    | MPa   | ISO 527           |
| Break Elongation                | 200   | %     | ISO 527           |

## Temperature Limits

| Egenskap                                   | VÄärde | Enhet | Provningsstandard |
|--------------------------------------------|--------|-------|-------------------|
| Melting point                              | 135    | Å°C   | ISO 3146          |
| Maximal operating temperature (short-term) | 95     | Å°C   | UL746B            |
| Maximum Operating Temperature              | 76     | Å°C   |                   |
| Minimum temperature                        | -51    | Å°C   |                   |
| Heat deflection temperature (HDT/A)        | 45     | Å°C   | ISO 75-2          |
| Heat deflection temperature (HDT/B)        | 69     | Å°C   | ISO 75            |
| Vicat softening temperature (VST/B/50)     | 79     | Å°C   | ISO 306           |

## Insulation Properties

| Egenskap                        | VÄrde                 | Enhet | Provningsstandard |
|---------------------------------|-----------------------|-------|-------------------|
| Dielectric Strength             | 45                    | kV/mm | IEC 60243-1       |
| Volume Resistivity              | 10 <sup>14</sup> Ω·cm | Ω·cm  | EN 61340-5-1      |
| Dielectric Constant (1 MHz)     | 2.4                   | -     | IEC 60250         |
| Dielectric Constant (100 Hz)    | 2.3                   | -     | IEC 60250         |
| Dielectric loss factor (1 MHz)  | 0.0                   | -     | IEC 60250         |
| Dielectric loss factor (100 Hz) | 0.0                   | -     | IEC 60250         |

### Flexural Properties

| Egenskap          | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 20    | MPa   | ISO527-2          |

### 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>14</sup> Ω | Ω     | EN 61340-5-1      |
| Comparative Tracking Index (CTI) | 600                | V     | IEC 60112         |

### Moisture Absorption

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

### Impact Resistance

| Egenskap                         | VÄrde | Enhet             | Provningsstandard |
|----------------------------------|-------|-------------------|-------------------|
| Notched impact strength (Charpy) | 7.5   | kJ/m <sup>2</sup> | ISO 179/1eA       |
| Impact Resistance (Charpy)       | 15    | kJ/m <sup>2</sup> | ISO 179/1eU       |

### Thermal Expansion

| Egenskap                      | VÄrde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 2     | 10 <sup>-6</sup> /K | ISO 11359         |

### Hardness

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
|----------|-------|-------|-------------------|

| Egenskap               | Värde | Enhet      | Provningsstandard |
|------------------------|-------|------------|-------------------|
| Hardness Shore D       | 60    | Å° Shore D | shore D           |
| Ball pressure hardness | 50    | MPa        | ISO 2039-1        |

## Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS