



# PVC U 200x1000 mm grÅ

Artikelnr P1201110  
Kategori PVC

## Tekniska egenskaper

### Density & Weight

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 1.53  | g/cm³ | ASTM D792         |

### Tensile Properties

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 48.8  | MPa   | ASTM D638         |
| Modulus of elasticity (tensile) | 2669  | MPa   | ASTM D638         |
| Breakdown Voltage               | 40    | MPa   | ISO 527           |
| Break Elongation                | 14    | %     | ISO 527           |

### Temperature Limits

| Egenskap                                   | VÄrde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 189.2 | °C    | ASTM D3418        |
| Maximal operating temperature (short-term) | 93.3  | °C    | UL 746B           |
| Maximum Operating Temperature              | 60    | °C    |                   |
| Minimum temperature                        | -15   | °C    | UL 746B           |
| Heat deflection temperature (HDT/A)        | 106.7 | °C    | ASTM D648         |
| Vicat softening temperature (VST/B/50)     | 75    | °C    | ISO 306           |

### Insulation Properties

| Egenskap            | VÄrde | Enhet | Provningsstandard |
|---------------------|-------|-------|-------------------|
| Dielectric Strength | 40    | kV/mm | IEC 60243-1       |

| Egenskap                       | VÄrde                | Enhet                 | Provningsstandard |
|--------------------------------|----------------------|-----------------------|-------------------|
| Volume Resistivity             | 10 <sup>14</sup> Ω·m | 10 <sup>14</sup> Ω·cm | DIN EN 62631-3-1  |
| Dielectric Constant (1 MHz)    | 3.1                  | -                     | IEC 60250         |
| Dielectric Constant (100 Hz)   | 3.2                  | -                     | IEC 60250         |
| Dielectric loss factor (1 MHz) | 0.0                  | -                     | IEC 60250         |

Flexural Properties

| Egenskap          | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 73.1  | MPa   | ASTM D790         |

Thermal Conductivity

| Egenskap             | VÄrde | Enhet   | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.14  | W/(m·K) | ISO 22007-4       |

Static spread

| Egenskap                         | VÄrde              | Enhet              | Provningsstandard |
|----------------------------------|--------------------|--------------------|-------------------|
| Surface Resistivity              | 10 <sup>14</sup> Ω | 10 <sup>14</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 | 0.5   | %     | ASTM D570         |
| Water Absorption to Saturation | 0.5   | %     | ASTM D570         |

Impact Resistance

| Egenskap                         | VÄrde | Enhet             | Provningsstandard |
|----------------------------------|-------|-------------------|-------------------|
| Notched impact strength (Charpy) | 4     | kJ/m <sup>2</sup> | ISO 179           |
| Impact Resistance (Charpy)       | 550   | kJ/m <sup>2</sup> | DIN EN ISO 8256   |

Thermal Expansion

| Egenskap                      | VÄrde | Enhet               | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 1.03  | 10 <sup>-6</sup> /K | ASTM D696         |

Hardness

| Egenskap               | VÄrde | Enhet      | Provningsstandard |
|------------------------|-------|------------|-------------------|
| Hardness Shore D       | 85    | Å° Shore D | ASTM D2240        |
| Ball pressure hardness | 100   | MPa        | ISO 2039          |

# Godkännanden

REACH

RoHS

UL  
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