



## ABS 1000x610x15 mm natural

Artikelnr P1000113  
Kategori ABS

### Tekniska egenskaper

#### Density & Weight

| Egenskap | VÄrde | Enhet             | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density  | 1.05  | g/cm <sup>3</sup> | ISO 1183          |

#### Tensile Properties

| Egenskap                        | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength                | 37    | MPa   | ISO 527-2         |
| Modulus of elasticity (tensile) | 2600  | MPa   | ISO 527-2         |
| Breakdown Voltage               | 36.5  | MPa   | ISO 527-2         |
| Break Elongation                | 5     | %     | ISO 527-2         |

#### Temperature Limits

| Egenskap                                   | VÄrde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 235   | °C    | ISO 3146          |
| Maximal operating temperature (short-term) | 93    | °C    | UL746B            |
| Maximum Operating Temperature              | 82.5  | °C    |                   |
| Heat deflection temperature (HDT/A)        | 80    | °C    | ISO 75-2          |
| Heat deflection temperature (HDT/B)        | 100   | °C    | ISO 75-2          |
| Vicat softening temperature (VST/B/50)     | 101   | °C    | ISO 306           |

#### Insulation Properties

| Egenskap            | VÄrde | Enhet | Provningsstandard |
|---------------------|-------|-------|-------------------|
| Dielectric Strength | 18    | kV/mm | IEC 60243-1       |

| Egenskap                       | VÄärde               | Enhet | Provningsstandard |
|--------------------------------|----------------------|-------|-------------------|
| Volume Resistivity             | 10 <sup>14</sup> Ω·m | Ω·m   | IEC 60093         |
| Dielectric Constant (1 MHz)    | 2.6                  | -     | IEC 60250         |
| Dielectric loss factor (1 MHz) | 0.0                  | -     | IEC 60250         |

### Flexural Properties

| Egenskap          | VÄärde | Enhet | Provningsstandard |
|-------------------|--------|-------|-------------------|
| Flexural Strength | 2500   | MPa   | ISO 178           |

### Thermal Conductivity

| Egenskap             | VÄärde | Enhet   | Provningsstandard |
|----------------------|--------|---------|-------------------|
| Thermal Conductivity | 0.2    | W/(m·K) | DIN 52612         |

### Static spread

| Egenskap                         | VÄärde               | Enhet | Provningsstandard |
|----------------------------------|----------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>14</sup> Ω·m | Ω     | IEC 60093         |
| Comparative Tracking Index (CTI) | 600                  | V     | IEC 60112         |

### Moisture Absorption

| Egenskap                       | VÄärde | Enhet | Provningsstandard |
|--------------------------------|--------|-------|-------------------|
| Water absorption to saturation | 0.2    | %     | ISO 62            |
| Water Absorption to Saturation | 1      | %     | ISO 62            |

### Impact Resistance

| Egenskap                         | VÄärde | Enhet             | Provningsstandard |
|----------------------------------|--------|-------------------|-------------------|
| Notched impact strength (Charpy) | 25     | kJ/m <sup>2</sup> | ISO 179/1eA       |
| Impact Resistance (Charpy)       | 170    | kJ/m <sup>2</sup> | ISO 179/1eU       |

### Thermal Expansion

| Egenskap                      | VÄärde | Enhet               | Provningsstandard |
|-------------------------------|--------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.8    | 10 <sup>-6</sup> /K | DIN 11359         |

### Hardness

| Egenskap               | VÄärde | Enhet      | Provningsstandard |
|------------------------|--------|------------|-------------------|
| Hardness Shore D       | 70     | Å° Shore D | ISO 868           |
| Rockwell hardness      | 80     | R-scale    | DIN EN ISO 2039-2 |
| Ball pressure hardness | 98     | MPa        | ISO 2039-1        |

# Godkännanden

- REACH
- RoHS