



PA12 170x3000 mm natural

Artikelnr P1000363

Kategori PA

Tekniska egenskaper

Density & Weight

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density | 1.04 | g/cm ³ | |

Tensile Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength | 66 | MPa | ISO 527 |
| Modulus of elasticity (tensile) | 1470 | MPa | ISO 527 |
| Breakdown Voltage | 45 | MPa | ISO 527 |
| Break Elongation | 50 | % | ISO 527 |

Temperature Limits

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--|-------|-------|-------------------|
| Melting point | 180 | Å°C | DIN EN ISO 11357 |
| Maximal operating temperature (short-term) | 133 | Å°C | UL746B |
| Maximum Operating Temperature | 110 | Å°C | |
| Heat deflection temperature (HDT/A) | 115 | Å°C | ISO 75 |
| Heat deflection temperature (HDT/B) | 135 | Å°C | ISO 75 |
| Vicat softening temperature (VST/B/50) | 50 | Å°C | ISO 306 |

Insulation Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|---------------------|-------|-------|-------------------|
| Dielectric Strength | 34 | kV/mm | IEC 60243-1 |

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--------------------------------|------------------|-------|-------------------|
| Volume Resistivity | 10 ¹⁴ | Ω·m | IEC 60093 |
| Dielectric Constant (1 MHz) | 1 | - | IEC 60250 |
| Dielectric loss factor (1 MHz) | 1 | - | IEC 60250 |

Fire Classification

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------------------------|-------|-------|-------------------|
| Flammability Classification (UL 94) | 60695 | | UL 94 |

Flexural Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 53 | MPa | DIN EN ISO 527-2 |

Static spread

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------------------|-------|-------------------|
| Surface Resistivity | ~10 ¹⁴ | Ω | IEC 60093 |
| Comparative Tracking Index (CTI) | 600 | V | IEC 60112 |

Moisture Absorption

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 3 | % | ISO 62 |
| Water Absorption to Saturation | 3 | % | ISO 62 |

Impact Resistance

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------|-------------------|-------------------|
| Notched impact strength (Charpy) | 7 | kJ/m ² | DIN EN ISO 179-1 |

Thermal Expansion

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.9 | 10 ⁻⁶ /K | ISO 11359 |

Hardness

| Egenskap | VÄrde | Enhet | Provningsstandard |
|------------------------|-------|------------|-------------------|
| Hardness Shore D | 83 | Å° Shore D | ISO 868 |
| Ball pressure hardness | 90 | MPa | ISO 2039 |

Godkännanden

- REACH
- RoHS

