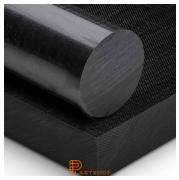

# PA6 E 95x1000 mm svart

| | |
|---|---|
| Artikelnr | P1000826 |
| Kategori | PA |

## Tekniska egenskaper

### Density & Weight

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Density | 1.14 | g/cmÂ³ | ISO 1183 |

### Tensile Properties

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Tensile Strength | 70 | MPa | DIN EN ISO 527 |
| Modulus of elasticity (tensile) | 3250 | MPa | ISO 527-2 |
| Breakdown Voltage | 75 | MPa | ISO 527-2 |
| Break Elongation | 40 | % | ISO 527-2 |

### Temperature Limits

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Melting point | 220 | Â°C | ISO 3146 |
| Maximal operating temperature (short-term) | 160 | Â°C | |
| Maximum Operating Temperature | 90.5 | Â°C | |
| Minimum temperature | -36 | Â°C | |
| Heat deflection temperature (HDT/A) | 70 | Â°C | ISO 75-2 |
| Heat deflection temperature (HDT/B) | 140 | Â°C | ISO 75-2 |
| Vicat softening temperature (VST/B/50) | 190 | Â°C | ISO 306 |

### Insulation Properties

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Dielectric Strength | 25 | kV/mm | IEC 60243-1 |
| Volume Resistivity | 10Â¹Â² | Î©Â·cm | IEC 60093 |
| Dielectric Constant (1 MHz) | 3.7 | - | IEC 60250 |
| Dielectric Constant (100 Hz) | 3.9 | - | IEC 60250 |
| Dielectric loss factor (1 MHz) | 0.0 | - | IEC 60250 |
| Dielectric loss factor (100 Hz) | 0.0 | - | IEC 60250 |

## Fire Classification

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Flammability Classification (UL 94) | 3 | | UL 94 |

## Flexural Properties

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Flexural Strength | 76 | MPa | ISO 527-2 |

## Thermal Conductivity

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Thermal Conductivity | 0.28 | W/(mÂ·K) | DIN 52612 |

## Static spread

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Surface Resistivity | 10Â¹Â³ | Î© | IEC 60093 |
| Comparative Tracking Index (CTI) | 600 | V | IEC 60112 |

## Moisture Absorption

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Water absorption to saturation | 2.5 | % | ISO 62 |
| Water Absorption to Saturation | 9 | % | ISO 62 |

## Impact Resistance

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Notched impact strength (Charpy) | 5.5 | kJ/mÂ² | ISO 179/1eA |

## Thermal Expansion

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Thermal Expansion Coefficient | 0.9 | 10â»â´/K | ISO 11359 |

## Hardness

| Egenskap | VÃ□rde | Enhet | Provningsstandard |
|---|---|---|---|
| Hardness Shore D | 82 | Â° Shore D | DIN EN ISO 868 |
| Ball pressure hardness | 150 | MPa | ISO 2039-1 |

## GodkÃ¤nnanden

REACH RoHS


*This document is for informational purposes only. Specifications may change without notice. Generated 2026-03-20*