



PC 3000x610x45 mm transparent

Artikelnr P1002745

Kategori PC

Tekniska egenskaper

Density & Weight

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density | 1.2 | g/cm ³ | ISO 1183 |

Tensile Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength | 75 | MPa | ISO 527 |
| Modulus of elasticity (tensile) | 2400 | MPa | ISO 527-2 |
| Breakdown Voltage | 60 | MPa | |
| Break Elongation | 50 | % | ISO 527-2 |

Temperature Limits

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--|--------|-------|-------------------|
| Melting point | 160 | Å°C | ISO 3146 |
| Maximal operating temperature (short-term) | 119 | Å°C | UL746B |
| Maximum Operating Temperature | 113.75 | Å°C | |
| Minimum temperature | -54 | Å°C | UL746B |
| Heat deflection temperature (HDT/A) | 130 | Å°C | ISO 75-2 |
| Heat deflection temperature (HDT/B) | 140 | Å°C | ISO 75 |
| Vicat softening temperature (VST/B/50) | 150 | Å°C | ISO 306 |

Insulation Properties

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

| Egenskap | V rde | Enhet | Provningsstandard |
|---------------------------------|--------|---------|-------------------|
| Dielectric Strength | 29 | kV/mm | IEC 60243-1 |
| Volume Resistivity | 10     |      cm | IEC 60093 |
| Dielectric Constant (1 MHz) | 2.98 | - | IEC 60250 |
| Dielectric Constant (100 Hz) | 3 | - | IEC 60250 |
| Dielectric loss factor (1 MHz) | 0.0 | - | IEC 60250 |
| Dielectric loss factor (100 Hz) | 0.0 | - | IEC 60250 |

Fire Classification

| Egenskap | V rde | Enhet | Provningsstandard |
|-------------------------------------|-------|-------|-------------------|
| Flammability Classification (UL 94) | 0 | | UL 94 |

Flexural Properties

| Egenskap | V rde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 2400 | MPa | ISO 178 |

Thermal Conductivity

| Egenskap | V rde | Enhet | Provningsstandard |
|----------------------|-------|----------|-------------------|
| Thermal Conductivity | 0.21 | W/(m  K) | DIN 52612 |

Static spread

| Egenskap | V rde | Enhet | Provningsstandard |
|----------------------------------|---------|-------|-------------------|
| Surface Resistivity | 10      |    | IEC 60093 |
| Comparative Tracking Index (CTI) | 279.2 | V | IEC 60112 |

Moisture Absorption

| Egenskap | V rde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 0.15 | % | ISO 62 |
| Water Absorption to Saturation | 0.35 | % | ISO 62 |

Impact Resistance

| Egenskap | V rde | Enhet | Provningsstandard |
|----------------------------------|-------|--------|-------------------|
| Notched impact strength (Charpy) | 9 | kJ/m   | ISO 179/1eA |

Thermal Expansion

| Egenskap | V rde | Enhet | Provningsstandard |
|-------------------------------|-------|----------|-------------------|
| Thermal Expansion Coefficient | 0.65 | 10    /K | DIN 11359 |

Hardness

| Egenskap | Värde | Enhet | Provningsstandard |
|------------------------|-------|------------|-------------------|
| Hardness Shore D | 85 | Å° Shore D | ISO 868 |
| Ball pressure hardness | 120 | MPa | ISO 2039-1 |

Godkännanden

EU 10/2011

FDA

REACH

RoHS

UL
94