



PMMA E 3050x2050x5 mm black 0%

Artikelnr P1200682

Kategori PMMA

Tekniska egenskaper

Density & Weight

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------|-------|-------------------|-------------------|
| Density | 1.19 | g/cm ³ | ISO 1183 |

Tensile Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength | 72 | MPa | ISO 527 |
| Modulus of elasticity (tensile) | 3300 | MPa | ISO 527-2 |
| Breakdown Voltage | 70 | MPa | ISO 527-2 |
| Break Elongation | 5 | % | ISO 527-2 |

Temperature Limits

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--|-------|-------|-------------------|
| Melting point | 160 | Å°C | ISO 3146 |
| Maximal operating temperature (short-term) | 107.5 | Å°C | UL746B |
| Maximum Operating Temperature | 75 | Å°C | |
| Minimum temperature | -40 | Å°C | |
| Heat deflection temperature (HDT/A) | 95 | Å°C | ISO 75 |
| Heat deflection temperature (HDT/B) | 100 | Å°C | ISO 75 |
| Vicat softening temperature (VST/B/50) | 103 | Å°C | ISO 306 |

Insulation Properties

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

| Egenskap | VÄrde | Enhet | Provningsstandard |
|---------------------------------|----------------------|-------|-------------------|
| Dielectric Strength | 30 | kV/mm | IEC 60243-1 |
| Volume Resistivity | 10 ¹⁴ Ω·m | Ω·m | IEC 60093 |
| Dielectric Constant (1 MHz) | 1 | - | IEC 60250 |
| Dielectric Constant (100 Hz) | 2.7 | - | DIN 53483-2 |
| Dielectric loss factor (1 MHz) | 0.03 | - | IEC 60250 |
| Dielectric loss factor (100 Hz) | 0.06 | - | DIN 53483-2 |

Flexural Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 75 | MPa | ISO 527-2 |

Thermal Conductivity

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.19 | W/(m·K) | DIN 52612 |

Static spread

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

Moisture Absorption

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 2.1 | % | ISO 62 |
| Water Absorption to Saturation | 2.1 | % | ISO 62 |

Impact Resistance

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------|-------------------|-------------------|
| Notched impact strength (Charpy) | 1.6 | kJ/m ² | ISO 179/1eA |
| Impact Resistance (Charpy) | 15 | kJ/m ² | ISO 179/1eU |

Thermal Expansion

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------------------|-------|---------------------|-------------------|
| Thermal Expansion Coefficient | 0.0 | 10 ⁻⁶ /K | DIN 11359 |

Hardness

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

| Egenskap | V rde | Enhet | Provningsstandard |
|------------------------|-------|-----------|-------------------|
| Hardness Shore D | 15 |   Shore D | |
| Rockwell hardness | 100 | M-scale | ISO 2039-2 |
| Ball pressure hardness | 175 | MPa | ISO 2039-1 |

Godk nnanden

REACH RoHS