



POM C FG 95x1000 mm traffic blÅ¥

Artikelnr P1006349

Kategori POM

Tekniska egenskaper

Density & Weight

| Egenskap | VÅrde | Enhet | Provningsstandard |
|----------|-------|--------|-------------------|
| Density | 1.24 | g/cmÅ³ | ASTM D792 |

Tensile Properties

| Egenskap | VÅrde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Tensile Strength | 51 | MPa | DIN EN ISO 527-2 |
| Modulus of elasticity (tensile) | 1200 | MPa | ASTM D790 |
| Breakdown Voltage | 76.5 | MPa | ISO 527 |
| Break Elongation | 300 | % | ASTM D638 |

Temperature Limits

| Egenskap | VÅrde | Enhet | Provningsstandard |
|--|--------|-------|-------------------|
| Melting point | 222 | Å°C | ISO 3146 |
| Maximal operating temperature (short-term) | 129 | Å°C | UL746B |
| Maximum Operating Temperature | 90 | Å°C | |
| Minimum temperature | -46.25 | Å°C | |
| Heat deflection temperature (HDT/A) | 105 | Å°C | ASTM D648 |
| Heat deflection temperature (HDT/B) | 155 | Å°C | ISO 75 |
| Vicat softening temperature (VST/B/50) | 50 | Å°C | ISO 306 |

Insulation Properties

| Egenskap | VÅrde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
|----------|-------|-------|-------------------|

| Egenskap | VÄrde | Enhet | Provningsstandard |
|---------------------------------|--------------------|------------------|-------------------|
| Dielectric Strength | 85 | kV/mm | IEC 60243-1 |
| Volume Resistivity | $10^{11} \Omega^2$ | $\Omega \cdot m$ | IEC 60093 |
| Dielectric Constant (1 MHz) | 3.7 | - | IEC 60250 |
| Dielectric loss factor (1 MHz) | 0.0 | - | IEC 60250 |
| Dielectric loss factor (100 Hz) | 0.0 | - | IEC 60250 |

Fire Classification

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

Flexural Properties

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------|-------|-------|-------------------|
| Flexural Strength | 58 | MPa | ASTM D638 |

Thermal Conductivity

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------|-------|---------|-------------------|
| Thermal Conductivity | 0.3 | W/(m·K) | DIN 52612 |

Static spread

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------------------|--------------------|------------------|-------------------|
| Surface Resistivity | $10^{11} \Omega^2$ | $\Omega \cdot m$ | IEC 60093 |
| Comparative Tracking Index (CTI) | 600 | V | IEC 60112 |

Moisture Absorption

| Egenskap | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 2.2 | % | ASTM D955 |
| Water Absorption to Saturation | 0.5 | % | ASTM D570 |

Impact Resistance

| Egenskap | VÄrde | Enhet | Provningsstandard |
|----------------------------------|-------|-----------------|-------------------|
| Notched impact strength (Charpy) | 6 | kJ/m^2 | DIN EN ISO 179-1 |
| Impact Resistance (Charpy) | 19 | kJ/m^2 | ISO 179/1eU |

Thermal Expansion

| Egenskap | VÄrde | Enhet | Provningsstandard |
|-------------------------------|-------|---------------|-------------------|
| Thermal Expansion Coefficient | 0.4 | $10^{-6} / K$ | ISO 11359 |

Hardness

| Egenskap | V rde | Enhet | Provningsstandard |
|------------------------|-------|-----------|-------------------|
| Hardness Shore D | 83 |   Shore D | ISO 868 |
| Ball pressure hardness | 230 | MPa | ISO 2039-1 |

Godk nnanden

- EU 10/2011
- FDA
- REACH
- RoHS