



PLASTSHOP.SE

PlastShop.se
Söderleden 22
587 31 Linköping
Sweden



PLASTSHOP.SE

Tekniskt Datablad (TDS)

PlastShop.se • 2026-02-27



POM C FG 260x1000 mm natural

| | |
|----------------|----------|
| Artikelnummer: | P1006267 |
| Kategori: | POM |

Tekniska egenskaper

Density & Weight

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|----------|-------|-------------------|--------------|
| Density | 1.24 | g/cm ³ | ASTM D792 |

Moisture Absorption

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|--------------------------------|-------|-------|--------------|
| Water absorption to saturation | 2.2 | % | ASTM D955 |
| Water Absorption to Saturation | 0.5 | % | ASTM D570 |

Tensile Properties

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|---------------------------------|-------|-------|------------------|
| 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 |

Flexural Properties

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|-------------------|-------|-------|--------------|
| Flexural Strength | 58 | MPa | ASTM D638 |

Impact Resistance

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|----------------------------------|-------|-------------------|------------------|
| Notched impact strength (Charpy) | 6 | kJ/m ² | DIN EN ISO 179-1 |
| Impact Resistance (Charpy) | 19 | kJ/m ² | ISO 179/1eU |



PLASTSHOP.SE

PlastShop.se
Söderleden 22
587 31 Linköping
Sweden

Hardness

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|------------------------|-------|-----------|--------------|
| Hardness Shore D | 83 | ° Shore D | ISO 868 |
| Ball pressure hardness | 230 | MPa | ISO 2039-1 |

Temperature Limits

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|--|----------|-------|--------------|
| Melting point | 222 | °C | ISO 3146 |
| Maximal operating temperature (short-term) | 129.1667 | °C | UL746B |
| Maximum Operating Temperature | 90.2778 | °C | |
| Minimum temperature | -46.25 | °C | |
| Heat deflection temperature (HDT/A) | 105 | °C | ASTM D648 |
| Heat deflection temperature (HDT/B) | 155 | °C | ISO 75 |
| Vicat softening temperature (VST/B/50) | 50 | °C | ISO 306 |

Thermal Conductivity

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|----------------------|-------|---------|--------------|
| Thermal Conductivity | 0.3 | W/(m·K) | DIN 52612 |

Thermal Expansion

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|-------------------------------|-------|---------------------|--------------|
| Thermal Expansion Coefficient | 0.4 | 10 ⁻⁴ /K | ISO 11359 |

Insulation Properties

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|---------------------------------|--------|-------|--------------|
| Dielectric Strength | 85 | kV/mm | IEC 60243-1 |
| Volume Resistivity | 1012 | Ω | IEC 60093 |
| Dielectric Constant (1 MHz) | 3.6889 | - | IEC 60250 |
| Dielectric loss factor (1 MHz) | 0.0053 | - | IEC 60250 |
| Dielectric loss factor (100 Hz) | 0.002 | - | IEC 60250 |

Static spread

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|---------------------|-------|-------|--------------|
| Surface Resistivity | 1013 | Ω | IEC 60093 |



PLASTSHOP.SE

PlastShop.se
Söderleden 22
587 31 Linköping
Sweden

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|----------------------------------|-------|-------|--------------|
| Comparative Tracking Index (CTI) | 600 | V | IEC 60112 |

Fire Classification

| EGENSKAP | VÄRDE | ENHET | TESTSTANDARD |
|-------------------------------------|-------|-------|--------------|
| Flammability Classification (UL 94) | 60695 | | UL 94 |

PlastShop.se
Söderleden 22, Linköping, Sweden

Tel: +46 13 328 94 00
info@plastshop.se
<https://plastshop.se>

Informationen i detta dokument baseras på aktuell kunskap och erfarenhet. Värden kan variera beroende på bearbetning och användningsförhållanden. Alla uppgifter utan garanti.