# POM C FG 1000x610x100 mm traffic blÃ¥

Artikelnr P1006869

## 1. Tekniskt datablad

| Egenskap | VÃ□rde | Enhet | Standard |
|---|---|---|---|
| Density | 1.24 | g/cmÂ³ | ASTM D792 |
| 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 |
| Melting point | 222 | Â°C | ISO 3146 |
| Maximal operating temperature (short-term) | 129 | Â°C | UL746B |
| Maximum Operating Temperature | 90 | Â°C | |
| Minimum temperature | -46.25 | Â°C | |
| Heat deflection temperature (HDT/A) | 105 | Â°C | ASTM D648 |
| Heat deflection temperature (HDT/B) | 155 | Â°C | ISO 75 |
| Vicat softening temperature (VST/B/50) | 50 | Â°C | ISO 306 |
| Dielectric Strength | 85 | kV/mm | IEC 60243-1 |
| Volume Resistivity | 10Â¹Â² | â„¦ | 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 |
| Flammability Classification (UL 94) | 60695 | | UL 94 |
| Flexural Strength | 58 | MPa | ASTM D638 |
| Thermal Conductivity | 0.3 | W/(mÂ·K) | DIN 52612 |
| Surface Resistivity | 10Â¹Â³ | â„¦ | IEC 60093 |
| Comparative Tracking Index (CTI) | 600 | V | IEC 60112 |
| Water absorption to saturation | 2.2 | % | ASTM D955 |
| Water Absorption to Saturation | 0.5 | % | ASTM D570 |
| Notched impact strength (Charpy) | 6 | kJ/mÂ² | DIN EN ISO 179-1 |
| Impact Resistance (Charpy) | 19 | kJ/mÂ² | ISO 179/1eU |

| Egenskap | VÃ□rde | Enhet | Standard |
|---|---|---|---|
| Thermal Expansion Coefficient | 0.4 | 10â»â´/K | ISO 11359 |
| Hardness Shore D | 83 | Â° Shore D | ISO 868 |
| Ball pressure hardness | 230 | MPa | ISO 2039-1 |

## 2. Kemisk bestÃ¤ndighet

BestÃ□ndig Delvis bestÃ□ndig Ej bestÃ□ndig

| Kemikalie | Konc. | Resultat |
|---|---|---|
| 1,4-Dioxane | 100% | |
| 2-Hydroxypropionic acid (lactic acid) | 90% | |
| Acetic acid | 100% | |
| Acetone | 100% | |
| Ammonia | conc. | |
| Ammonium chloride | â€” | |
| Amyl alcohol | â€” | |
| Apple juice | â€” | |
| Benzene | â€” | |
| Bleaching solution | 12.5 cl | |
| Boric acid | 100% | |
| Brake fluid | â€” | |
| Butyl acetate | â€” | |
| Calcium chloride | â€” | |
| Carbon disulphide | 100% | |
| Carbon tetrachloride | â€” | |
| Chlorobenzene | 100% | |
| Chloroform | â€” | |
| Citric acid | 10% | |
| Cyclohexanone | 100% | |
| Cyclohexene | 100% | |
| Diesel | â€” | |
| Diethylene oxide | â€” | |
| Ethyl acetate | 100% | |
| Ethyl alcohol (ethanol) | 96% | |
| Food oil | â€” | |
| Formaldehyde, aqueous | 40% | |
| Formic acid | 10% | |

| Kemikalie | Konc. | Resultat |
|---|---|---|
| Frost protection agent | â€” | 🟢 |
| Fuel oil | â€” | 🟢 |
| Fuel, aromatic free | â€” | 🟢 |
| Glycerine | 100% | 🟢 |
| Glycol | 100% | 🟢 |
| Heptane | 100% | 🟢 |
| Hydrochloric acid | 10% | 🔴 |
| Hydrochloric acid (concentrated) | conc. | 🔴 |
| Hydrofluoric acid | 40% | 🔴 |
| Hydrogen peroxide | 10% | 🟢 |
| Hydrogen sulfide, aqueous | â€” | 🟢 |
| Isopropyl alcohol | 100% | 🟢 |
| Linseed oil | â€” | 🟢 |
| Mercurochrome | â€” | 🔴 |
| Methyl alcohol (methanol) | 100% | 🟢 |
| Methyl ethyl ketone (MEK) | 100% | 🟡 |
| Methylene chloride | 100% | 🔴 |
| Milk | â€” | 🟢 |
| Mineral oils (aromatic free) | â€” | 🟢 |
| Nitric acid | 10% | 🔴 |
| Nitric acid (50%) | 50% | 🔴 |
| Nitrobenzene | â€” | 🟡 |
| Oxalic acid | â€” | 🔴 |
| Ozone (gas) | â‰¤0.5 ppm | 🔴 |
| Paraffin oil | 100% | 🟢 |
| Perchloroethylene | â€” | 🟢 |
| Petroleum | 100% | 🟢 |
| Petroleum ether | 100% | 🟢 |
| Phenol, aqueous | ca. 9% | 🔴 |
| Phosphoric acid | 50% | 🔴 |
| Potassium hydroxide solution | 50% | 🟡 |
| Premium fuel | â€” | 🟢 |
| Propyl alcohol | â€” | 🟢 |
| Silicone oil | â€” | 🟢 |

| Kemikalie | Konc. | Resultat |
|---|---|---|
| Sodium carbonate, aqueous | â€” | 🟢 |
| Sodium chloride, aqueous | â€” | 🟢 |
| Sodium hydrogen sulfite | â€” | 🔴 |
| Sodium hydroxide solution (15%) | 15% | 🟢 |
| Sodium hydroxide solution (60%) | 60% | 🟡 |
| Sodium nitrate, aqueous | â€” | 🟢 |
| Sulphuric acid | 96% | 🔴 |
| Tetrahydrofuran (THF) | 100% | 🟡 |
| Toluene | 100% | 🟢 |
| Transformer oil | â€” | 🟢 |
| Trichloroethylene | 100% | 🟡 |
| Vinegar, standard | 5-10% | 🟢 |
| Water | â€” | 🟢 |
| Xylene | â€” | 🟢 |


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