PLASTSHOP.SE

# Komplett teknisk dokumentation

PlastShop.se - 2026-03-26

# POM CGL 80/40x1000 mm blå

| | |
|---|---|
| Artikelnr | P1008206 |
| Material | POM |

## 1. Tekniskt datablad

| Egenskap | Värde | Enhet | Standard |
|---|---|---|---|
| Tetthet | **1.24** | g/cm³ | ASTM D792 |
| StrekkgrenseSpenning | **51** | MPa | DIN EN ISO 527-2 |
| Elastisitetsmodul (trek) | **1200** | MPa | ASTM D790 |
| Brottspenning | **76.5** | MPa | ISO 527 |
| Brottsdeformasjon | **300** | % | ASTM D638 |
| Smeltepunkt | **222** | °C | ISO 3146 |
| Maksimal drifttemperatur (kortvarig) | **129** | °C | UL746B |
| Maksimal driftstemperatur | **90** | °C | |
| Minstemperatur | **-46.25** | °C | |
| Varme-forvrengning (HDT/A) | **105** | °C | ASTM D648 |
| Varme-forvrengning (HDT/B) | **155** | °C | ISO 75 |
| Vicat-mykningstemperatur (VST/B/50) | **50** | °C | ISO 306 |
| Dielektrisk Styrke | **85** | kV/mm | IEC 60243-1 |
| VolumResistivitet | **$10^{12}$** | Ω | IEC 60093 |
| Dielektrisk konstant (1 MHz) | **3.7** | - | IEC 60250 |
| Dielektrisk dissipasjonsfaktor (1 MHz) | **0.0** | - | IEC 60250 |
| Dielektrisk tapfaktor (100 Hz) | **0.0** | - | IEC 60250 |
| Brannklasse (UL 94) | **60695** | | UL 94 |
| Bøyhållfasthet | **58** | MPa | ASTM D638 |
| Termisk konduktivitet | **0.3** | W/(m·K) | DIN 52612 |
| Overflatemotstand | **$10^{13}$** | Ω | IEC 60093 |
| Sammenligningskrypstrømsindeks (CTI) | **600** | V | IEC 60112 |
| Fuktabsorpsjon til metning | **2.2** | % | ASTM D955 |
| Vannabsorpsjon til metning | **0.5** | % | ASTM D570 |

| Egenskap | Värde | Enhet | Standard |
|---|---|---|---|
| Skåret slagfasthet (Charpy) | **6** | kJ/m² | DIN EN ISO 179-1 |
| Slagseghet (Charpy) | **19** | kJ/m² | ISO 179/1eU |
| Termisk utvidelseskoeffisient | **0.4** | $10^{-4}$/K | ISO 11359 |
| Hardhet Shore D | **83** | ° Shore D | ISO 868 |
| Kuletrykkshardhet | **230** | MPa | ISO 2039-1 |

## 2. Kemisk beständighet

🟢 Beständig 🟡 Delvis beständig 🔴 Ej beständig

| Kemikalie | Konc. | Resultat |
|---|---|---|
| 1,4-Dioxan | 100% | 🟡 |
| 2-Hydroxypropionic Acid | 90% | 🟢 |
| Acetic Acid | 100% | 🟡 |
| Aceton | 100% | 🟢 |
| Ammoniak | conc. | 🟢 |
| Ammonium Chloride | - | 🟡 |
| Amyl Alcohol | - | 🟢 |
| Apple Juice | - | 🟢 |
| Bensen | - | 🟡 |
| Bleaching Solution | 12.5 cl | 🔴 |
| Boric Acid | 100% | 🟡 |
| Brake Fluid | - | 🟢 |
| Bränsle, aromatfritt | - | 🟢 |
| Butyl Acetate | - | 🟢 |
| Calcium Chloride | - | 🟢 |
| Carbon Disulfide | 100% | 🟢 |
| Carbon Tetrachloride | - | 🟢 |
| Citric Acid | 10% | 🟡 |
| Cyklohexanon | 100% | 🟢 |
| Cyklohexen | 100% | 🟢 |
| Diesel Fuel | - | 🟢 |
| Diethylene Oxide | - | 🟢 |
| Eddik, standard | 5-10% | 🟢 |
| Ethyl Acetate | 100% | 🟡 |
| Ethyl Alcohol | 96% | 🟢 |
| Ethylene Chloride | 100% | 🟢 |

| Kemikalie | Konc. | Resultat |
|---|---|---|
| Fenol, vattenl. | ca. 9% | 🔴 |
| Food Oil | - | 🟢 |
| Formaldehyd, vattenl. | 40% | 🟢 |
| Formic Acid | 10% | 🟢 |
| Frost Protection Agent | - | 🟢 |
| Glycerin | 100% | 🟢 |
| Glykol | 100% | 🟢 |
| Heating Oil | - | 🟢 |
| Heptan | 100% | 🟢 |
| Hydrochloric Acid | 10% | 🔴 |
| Hydrochloric Acid (concentrated) | conc. | 🔴 |
| Hydrofluoric Acid | 40% | 🔴 |
| Hydrogen Peroxide | 10% | 🟢 |
| Hydrogen Sulfide, aqueous solution | - | 🟢 |
| Isopropyl Alcohol | 100% | 🟢 |
| Klor (gas) | 100% | 🟢 |
| Klorbensen | 100% | 🟡 |
| Kloroform | - | 🔴 |
| Kresol | - | 🟢 |
| Linseed Oil | - | 🟢 |
| Melk | - | 🟢 |
| Merkurokrom | - | 🔴 |
| Methyl Alcohol | 100% | 🟢 |
| Methyl Ethyl Ketone (MEK) | 100% | 🟡 |
| Methylene Chloride | 100% | 🔴 |
| Mineral Oils (aromatic free) | - | 🟢 |
| Nitric Acid | 10% | 🔴 |
| Nitric Acid (50%) | 50% | 🔴 |
| Nitrobensen | - | 🟡 |
| Oxalic Acid | - | 🔴 |
| Ozone Gas | ≤0.5 ppm | 🔴 |
| Paraffine Oil | 100% | 🟢 |
| Perkloretylen | - | 🟢 |
| Petroleum | 100% | 🟢 |

| Kemikalie | Konc. | Resultat |
|---|---|---|
| Petroleum Ether | 100% | 🟢 |
| Phosphoric Acid | 50% | 🔴 |
| Potassium Hydroxide liquor | 50% | 🟡 |
| Premium Fuel | - | 🟢 |
| Propyl Alcohol | - | 🟢 |
| Pyridin | - | 🟢 |
| Silicone Oil | - | 🟢 |
| Sodium Carbonate, aqueous | - | 🟢 |
| Sodium Chloride, aqueous | - | 🟢 |
| Sodium Hydrogen Sulfite | - | 🔴 |
| Sodium Hydroxide liquor (15%) | 15% | 🟢 |
| Sodium Hydroxide liquor (60%) | 60% | 🟡 |
| Sodium Nitrate, aqueous | - | 🟢 |
| Sodium Thiosulfate | - | 🟢 |
| Sulfuric Acid | 96% | 🔴 |
| Tetrahydrofuran, THF | 100% | 🟡 |
| Toluen | 100% | 🟢 |
| Transformer Oil | - | 🟢 |
| Trikloreten | 100% | 🟡 |
| Vann | - | 🟢 |
| Xylen | - | 🟢 |