



# POM CGL 70/50x3000 mm blå

Artikelnr P1008240

## 1. Tekniskt datablad

| Egenskap                                   | Värde  | Enhet   | Standard         |
|--------------------------------------------|--------|---------|------------------|
| Density                                    | 1.24   | g/cm³   | 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    | °C      | ISO 3146         |
| Maximal operating temperature (short-term) | 129    | °C      | UL746B           |
| Maximum Operating Temperature              | 90     | °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          |
| Dielectric Strength                        | 85     | kV/mm   | IEC 60243-1      |
| Volume Resistivity                         | 10¹¹   | Ω·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        |
| Flammability Classification (UL 94)        | 60695  |         | UL 94            |
| Flexural Strength                          | 58     | MPa     | ASTM D638        |
| Thermal Conductivity                       | 0.3    | W/(m·K) | DIN 52612        |
| Surface Resistivity                        | 10¹¹   | Ω·m     | 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/m²   | DIN EN ISO 179-1 |
| Impact Resistance (Charpy)                 | 19     | kJ/m²   | ISO 179/1eU      |

| Egenskap                      | V rde | Enhet      | Standard   |
|-------------------------------|-------|------------|------------|
| Thermal Expansion Coefficient | 0.4   | 10   /K    | ISO 11359  |
| Hardness Shore D              | 83    |    Shore D | ISO 868    |
| Ball pressure hardness        | 230   | MPa        | ISO 2039-1 |

## 2. Kemisk best ndighet

  Best ndig   Delvis best ndig   Ej best ndig

| Kemikalie               | Konc.   | Resultat |
|-------------------------|---------|----------|
| 1,4-Dioxane             | 100%    |          |
| 2-Hydroxypropionic Acid | 90%     |          |
| Acetic Acid             | 100%    |          |
| Acetone                 | 100%    |          |
| Ammonia                 | conc.   |          |
| Ammonium Chloride       |         |          |
| Amyl Alcohol            |         |          |
| Apple Juice             |         |          |
| Benzene                 |         |          |
| Bleaching Solution      | 12.5 cl |          |
| Boric Acid              | 100%    |          |
| Brake Fluid             |         |          |
| Butyl Acetate           |         |          |
| Calcium Chloride        |         |          |
| Carbon Disulfide        | 100%    |          |
| Carbon Tetrachloride    |         |          |
| Chlorine (gas)          | 100%    |          |
| Chlorobenzene           | 100%    |          |
| Chloroform              |         |          |
| Citric Acid             | 10%     |          |
| Cresol                  |         |          |
| Cyclohexanone           | 100%    |          |
| Cyclohexene             | 100%    |          |
| Diesel Fuel             |         |          |
| Diethylene Oxide        |         |          |
| Ethyl Acetate           | 100%    |          |
| Ethyl Alcohol           | 96%     |          |

| Kemikalie                          | Konc.      | Resultat |
|------------------------------------|------------|----------|
| Ethylene Chloride                  | 100%       | ●        |
| Food Oil                           | â€”        | ●        |
| Formaldehyde, aqueous              | 40%        | ●        |
| Formic Acid                        | 10%        | ●        |
| Frost Protection Agent             | â€”        | ●        |
| Fuel, aromatic free                | â€”        | ●        |
| Glycerine                          | 100%       | ●        |
| Glycol                             | 100%       | ●        |
| Heating Oil                        | â€”        | ●        |
| Heptane                            | 100%       | ●        |
| Hydrochloric Acid                  | 10%        | ●        |
| Hydrochloric Acid (concentrated)   | conc.      | ●        |
| Hydrofluoric Acid                  | 40%        | ●        |
| Hydrogen Peroxide                  | 10%        | ●        |
| Hydrogen Sulfide, aqueous solution | â€”        | ●        |
| Isopropyl Alcohol                  | 100%       | ●        |
| Linseed Oil                        | â€”        | ●        |
| Mercurochrome                      | â€”        | ●        |
| Methyl Alcohol                     | 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 | ●        |
| Paraffine Oil                      | 100%       | ●        |
| Perchloroethylene                  | â€”        | ●        |
| Petroleum                          | 100%       | ●        |
| Petroleum Ether                    | 100%       | ●        |
| Phenol, aqueous                    | ca. 9%     | ●        |
| Phosphoric Acid                    | 50%        | ●        |
| Potassium Hydroxide liquor         | 50%        | ●        |

| Kemikalie                     | Konc. | Resultat    |
|-------------------------------|-------|-------------|
| Premium Fuel                  | â€”   | <div></div> |
| Propyl Alcohol                | â€”   | <div></div> |
| Pyridine                      | â€”   | <div></div> |
| Silicone Oil                  | â€”   | <div></div> |
| Sodium Carbonate, aqueous     | â€”   | <div></div> |
| Sodium Chloride, aqueous      | â€”   | <div></div> |
| Sodium Hydrogen Sulfite       | â€”   | <div></div> |
| Sodium Hydroxide liquor (15%) | 15%   | <div></div> |
| Sodium Hydroxide liquor (60%) | 60%   | <div></div> |
| Sodium Nitrate, aqueous       | â€”   | <div></div> |
| Sodium Thiosulfate            | â€”   | <div></div> |
| Sulfuric Acid                 | 96%   | <div></div> |
| Tetrahydrofuran, THF          | 100%  | <div></div> |
| Toluene                       | 100%  | <div></div> |
| Transformer Oil               | â€”   | <div></div> |
| Trichloroethylene             | 100%  | <div></div> |
| Vinegar, standard             | 5-10% | <div></div> |
| Water                         | â€”   | <div></div> |
| Xylene                        | â€”   | <div></div> |