



# POM CGL 90/50x1000 mm sininen

Artikelnr P1008210  
Material POM

## 1. Tekniskt datablad

| Egenskap                                      | Värde            | Enhet   | Standard         |
|-----------------------------------------------|------------------|---------|------------------|
| Tiheys                                        | 1.24             | g/cm³   | ASTM D792        |
| Venymisrajan jännitys                         | 51               | MPa     | DIN EN ISO 527-2 |
| Joustavuusmoduli (vetolujuus)                 | 1200             | MPa     | ASTM D790        |
| Murtolujuus                                   | 76.5             | MPa     | ISO 527          |
| Murtovenymä                                   | 300              | %       | ASTM D638        |
| Sulamispiste                                  | 222              | °C      | ISO 3146         |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 129              | °C      | UL746B           |
| Maksimi käyttölämpötila                       | 90               | °C      |                  |
| Alin lämpötila                                | -46.25           | °C      |                  |
| Lämpökäyrä (HDT/A)                            | 105              | °C      | ASTM D648        |
| Lämpökäyrä (HDT/B)                            | 155              | °C      | ISO 75           |
| Vicat-pehmenemislämpötila (VST/B/50)          | 50               | °C      | ISO 306          |
| Dielektrinen voimakkuus                       | 85               | kV/mm   | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>12</sup> | Ω       | IEC 60093        |
| Dielektrinen vakio (1 MHz)                    | 3.7              | -       | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0              | -       | IEC 60250        |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0              | -       | IEC 60250        |
| Paloaluokitus (UL 94)                         | 60695            |         | UL 94            |
| Taivutuslujuus                                | 58               | MPa     | ASTM D638        |
| Lämmönjohtavuus                               | 0.3              | W/(m·K) | DIN 52612        |
| Pintaresistanssi                              | 10 <sup>13</sup> | Ω       | IEC 60093        |
| Vertailukulkemisindeksi (CTI)                 | 600              | V       | IEC 60112        |
| Imeytymisen maksimointi                       | 2.2              | %       | ASTM D955        |
| Vesihaku kyllästymiseen                       | 0.5              | %       | ASTM D570        |
| Särkyäkesto (Charpy)                          | 6                | kJ/m²   | DIN EN ISO 179-1 |

| Egenskap                | Värde | Enhet               | Standard    |
|-------------------------|-------|---------------------|-------------|
| Iskunkestävyys (Charpy) | 19    | kJ/m²               | ISO 179/1eU |
| Lämpölaajenemiskerroin  | 0.4   | 10 <sup>-4</sup> /K | ISO 11359   |
| Kovuus Shore D          | 83    | ° Shore D           | ISO 868     |
| Kulmapaineen kovuus     | 230   | MPa                 | ISO 2039-1  |

## 2. Kemisk beständighet

● Beständig   ● Delvis beständig   ● Ej beständig

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

| Kemikalie                          | Konc.    | Resultat |
|------------------------------------|----------|----------|
| Ethyl Alcohol                      | 96%      | ●        |
| Ethylene Chloride                  | 100%     | ●        |
| Food Oil                           | -        | ●        |
| Formaldehyde, aqueous              | 40%      | ●        |
| Formic Acid                        | 10%      | ●        |
| Frost Protection Agent             | -        | ●        |
| Fuel, aromatic free                | -        | ●        |
| Glycerine                          | 100%     | ●        |
| Glycol                             | 100%     | ●        |
| Heating Oil                        | -        | ●        |
| Heptane                            | 100%     | ●        |
| Hydrochloric Acid                  | 10%      | ●        |
| Hydrochloric Acid (concentrated)   | conc.    | ●        |
| Hydrofluoric Acid                  | 40%      | ●        |
| Hydrogen Peroxide                  | 10%      | ●        |
| Hydrogen Sulfide, aqueous solution | -        | ●        |
| Isopropyl Alcohol                  | 100%     | ●        |
| Linseed Oil                        | -        | ●        |
| Mercurochrome                      | -        | ●        |
| Methyl Alcohol                     | 100%     | ●        |
| Methyl Ethyl Ketone (MEK)          | 100%     | ●        |
| Methylene Chloride                 | 100%     | ●        |
| Milk                               | -        | ●        |
| Mineral Oils (aromatic free)       | -        | ●        |
| Nitric Acid                        | 10%      | ●        |
| Nitric Acid (50%)                  | 50%      | ●        |
| Nitrobenzene                       | -        | ●        |
| Oxalic Acid                        | -        | ●        |
| Ozone Gas                          | ≤0.5 ppm | ●        |
| Paraffine Oil                      | 100%     | ●        |
| Perchloroethylene                  | -        | ●        |
| Petroleum                          | 100%     | ●        |
| Petroleum Ether                    | 100%     | ●        |
| Phenol, aqueous                    | ca. 9%   | ●        |
| Phosphoric Acid                    | 50%      | ●        |

| Kemikalie                     | Konc. | Resultat    |
|-------------------------------|-------|-------------|
| Potassium Hydroxide liquor    | 50%   | <div></div> |
| Premium Fuel                  | -     | <div></div> |
| Propyl Alcohol                | -     | <div></div> |
| Pyridine                      | -     | <div></div> |
| Silicone Oil                  | -     | <div></div> |
| Sodium Carbonate, aqueous     | -     | <div></div> |
| Sodium Chloride, aqueous      | -     | <div></div> |
| Sodium Hydrogen Sulfite       | -     | <div></div> |
| Sodium Hydroxide liquor (15%) | 15%   | <div></div> |
| Sodium Hydroxide liquor (60%) | 60%   | <div></div> |
| Sodium Nitrate, aqueous       | -     | <div></div> |
| Sodium Thiosulfate            | -     | <div></div> |
| Sulfuric Acid                 | 96%   | <div></div> |
| Tetrahydrofuran, THF          | 100%  | <div></div> |
| Toluene                       | 100%  | <div></div> |
| Transformer Oil               | -     | <div></div> |
| Trichloroethylene             | 100%  | <div></div> |
| Vinegar, standard             | 5-10% | <div></div> |
| Water                         | -     | <div></div> |
| Xylene                        | -     | <div></div> |