



POM CGL 1000x1000x12 mm blå

Artikelnr P1008112  
Material POM

1. Tekniskt datablad

| Egenskap                               | Värde            | Enhet   | Standard         |
|----------------------------------------|------------------|---------|------------------|
| Tetthet                                | 1.24             | g/cm³   | ASTM D792        |
| StreckgrenseSpenning                   | 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 <sup>12</sup> | 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 <sup>13</sup> | 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 utvidelseskoeficient | 0.4   | 10 <sup>-4</sup> /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%   | <div></div> |
| Food Oil                           | -        | <div></div> |
| Formaldehyd, vattenl.              | 40%      | <div></div> |
| Formic Acid                        | 10%      | <div></div> |
| Frost Protection Agent             | -        | <div></div> |
| Glycerin                           | 100%     | <div></div> |
| Glykol                             | 100%     | <div></div> |
| Heating Oil                        | -        | <div></div> |
| Heptan                             | 100%     | <div></div> |
| Hydrochloric Acid                  | 10%      | <div></div> |
| Hydrochloric Acid (concentrated)   | conc.    | <div></div> |
| Hydrofluoric Acid                  | 40%      | <div></div> |
| Hydrogen Peroxide                  | 10%      | <div></div> |
| Hydrogen Sulfide, aqueous solution | -        | <div></div> |
| Isopropyl Alcohol                  | 100%     | <div></div> |
| Klor (gas)                         | 100%     | <div></div> |
| Klorbensen                         | 100%     | <div></div> |
| Kloroform                          | -        | <div></div> |
| Kresol                             | -        | <div></div> |
| Linseed Oil                        | -        | <div></div> |
| Melk                               | -        | <div></div> |
| Merkurokrom                        | -        | <div></div> |
| Methyl Alcohol                     | 100%     | <div></div> |
| Methyl Ethyl Ketone (MEK)          | 100%     | <div></div> |
| Methylene Chloride                 | 100%     | <div></div> |
| Mineral Oils (aromatic free)       | -        | <div></div> |
| Nitric Acid                        | 10%      | <div></div> |
| Nitric Acid (50%)                  | 50%      | <div></div> |
| Nitrobensen                        | -        | <div></div> |
| Oxalic Acid                        | -        | <div></div> |
| Ozone Gas                          | ≤0.5 ppm | <div></div> |
| Paraffine Oil                      | 100%     | <div></div> |
| Perkloretylen                      | -        | <div></div> |
| Petroleum                          | 100%     | <div></div> |

| 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                         | -     | ●        |