



POM CGL 35x1000 mm azul

Artikelnr P1008012  
Material POM

1. Tekniskt datablad

| Egenskap                                      | Värde            | Enhet   | Standard         |
|-----------------------------------------------|------------------|---------|------------------|
| Densidad                                      | 1.24             | g/cm³   | ASTM D792        |
| Límite de resistencia a la tracción           | 51               | MPa     | DIN EN ISO 527-2 |
| Módulo de elasticidad (tracción)              | 1200             | MPa     | ASTM D790        |
| Resistencia a la tensión                      | 76.5             | MPa     | ISO 527          |
| Deformación a la rotura                       | 300              | %       | ASTM D638        |
| Punto de fusión                               | 222              | °C      | ISO 3146         |
| Temperatura de servicio máxima (corto plazo)  | 129              | °C      | UL746B           |
| Temperatura de funcionamiento máxima          | 90               | °C      |                  |
| Temperatura mínima                            | -46.25           | °C      |                  |
| Deformación térmica (HDT/A)                   | 105              | °C      | ASTM D648        |
| Deformación térmica (HDT/B)                   | 155              | °C      | ISO 75           |
| Temperatura de ablandamiento Vicat (VST/B/50) | 50               | °C      | ISO 306          |
| Fuerza dieléctrica                            | 85               | kV/mm   | IEC 60243-1      |
| Resistividad volumétrica                      | 10 <sup>12</sup> | Ω       | IEC 60093        |
| Constante dieléctrica (1 MHz)                 | 3.7              | -       | IEC 60250        |
| Factor de pérdida dieléctrica (1 MHz)         | 0.0              | -       | IEC 60250        |
| Factor de pérdida dieléctrica (100 Hz)        | 0.0              | -       | IEC 60250        |
| Clasificación de resistencia al fuego (UL 94) | 60695            |         | UL 94            |
| Resistencia a la flexión                      | 58               | MPa     | ASTM D638        |
| Conductividad térmica                         | 0.3              | W/(m·K) | DIN 52612        |
| Resistencia superficial                       | 10 <sup>13</sup> | Ω       | IEC 60093        |
| Índice de seguimiento comparativo (CTI)       | 600              | V       | IEC 60112        |
| Absorción de agua hasta la saturación         | 2.2              | %       | ASTM D955        |
| Absorción de agua hasta la saturación         | 0.5              | %       | ASTM D570        |

| Egenskap                                    | Värde | Enhet               | Standard         |
|---------------------------------------------|-------|---------------------|------------------|
| Resistencia al impacto con entalla (Charpy) | 6     | kJ/m²               | DIN EN ISO 179-1 |
| Resistencia al impacto (Charpy)             | 19    | kJ/m²               | ISO 179/1eU      |
| Coeficiente de expansión térmica            | 0.4   | 10 <sup>-4</sup> /K | ISO 11359        |
| Dureza Shore D                              | 83    | ° Shore D           | ISO 868          |
| Dureza a la presión de bala                 | 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> |

| Kemikalie                          | Konc.    | Resultat    |
|------------------------------------|----------|-------------|
| Ethyl Acetate                      | 100%     | <div></div> |
| Ethyl Alcohol                      | 96%      | <div></div> |
| Ethylene Chloride                  | 100%     | <div></div> |
| Food Oil                           | -        | <div></div> |
| Formaldehyde, aqueous              | 40%      | <div></div> |
| Formic Acid                        | 10%      | <div></div> |
| Frost Protection Agent             | -        | <div></div> |
| Fuel, aromatic free                | -        | <div></div> |
| Glycerine                          | 100%     | <div></div> |
| Glycol                             | 100%     | <div></div> |
| Heating Oil                        | -        | <div></div> |
| Heptane                            | 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> |
| Linseed Oil                        | -        | <div></div> |
| Mercurochrome                      | -        | <div></div> |
| Methyl Alcohol                     | 100%     | <div></div> |
| Methyl Ethyl Ketone (MEK)          | 100%     | <div></div> |
| Methylene Chloride                 | 100%     | <div></div> |
| Milk                               | -        | <div></div> |
| Mineral Oils (aromatic free)       | -        | <div></div> |
| Nitric Acid                        | 10%      | <div></div> |
| Nitric Acid (50%)                  | 50%      | <div></div> |
| Nitrobenzene                       | -        | <div></div> |
| Oxalic Acid                        | -        | <div></div> |
| Ozone Gas                          | ≤0.5 ppm | <div></div> |
| Paraffine Oil                      | 100%     | <div></div> |
| Perchloroethylene                  | -        | <div></div> |
| Petroleum                          | 100%     | <div></div> |
| Petroleum Ether                    | 100%     | <div></div> |
| Phenol, aqueous                    | ca. 9%   | <div></div> |

| Kemikalie                     | Konc. | Resultat    |
|-------------------------------|-------|-------------|
| Phosphoric Acid               | 50%   | <div></div> |
| 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> |