



# POM CGL 110/50x3000 mm azul

Artikelnr P1008256

## 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                      | 10¹¹   | Ω·m     | 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                       | 10¹¹   | Ω·m     | 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        |
| Resistencia al impacto con entalla (Charpy)   | 6      | kJ/m²   | DIN EN ISO 179-1 |
| Resistencia al impacto (Charpy)               | 19     | kJ/m²   | ISO 179/1eU      |

| Egenskap                         | VÄrde | Enhet      | Standard   |
|----------------------------------|-------|------------|------------|
| Coeficiente de expansi3n t3rmica | 0.4   | 1033/K     | ISO 11359  |
| Dureza Shore D                   | 83    | 3° Shore D | ISO 868    |
| Dureza a la presi3n de bala      | 230   | MPa        | ISO 2039-1 |

## 2. Kemisk best3ndighet

● Best3ndig ● Delvis best3ndig ● Ej best3ndig

| 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       | 3"      | <span>●</span> |
| Amyl Alcohol            | 3"      | <span>●</span> |
| Apple Juice             | 3"      | <span>●</span> |
| Benzene                 | 3"      | <span>●</span> |
| Bleaching Solution      | 12.5 cl | <span>●</span> |
| Boric Acid              | 100%    | <span>●</span> |
| Brake Fluid             | 3"      | <span>●</span> |
| Butyl Acetate           | 3"      | <span>●</span> |
| Calcium Chloride        | 3"      | <span>●</span> |
| Carbon Disulfide        | 100%    | <span>●</span> |
| Carbon Tetrachloride    | 3"      | <span>●</span> |
| Chlorine (gas)          | 100%    | <span>●</span> |
| Chlorobenzene           | 100%    | <span>●</span> |
| Chloroform              | 3"      | <span>●</span> |
| Citric Acid             | 10%     | <span>●</span> |
| Cresol                  | 3"      | <span>●</span> |
| Cyclohexanone           | 100%    | <span>●</span> |
| Cyclohexene             | 100%    | <span>●</span> |
| Diesel Fuel             | 3"      | <span>●</span> |
| Diethylene Oxide        | 3"      | <span>●</span> |
| Ethyl Acetate           | 100%    | <span>●</span> |
| Ethyl Alcohol           | 96%     | <span>●</span> |

| 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> |