



# POM C FG 160x1000 mm natural

Artikelnr P1006253

## 1. Tekniskt datablad

| Egenskap                                      | Värde  | Enhet   | Standard         |
|-----------------------------------------------|--------|---------|------------------|
| Densidad                                      | 1.24   | g/cm³   | ASTM D792        |
| Låmite 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                      | 10¹²   | 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                       | 10¹²   | 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   | 103/°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%    | ●        |
| 2-Hydroxypropionic acid (lactic acid) | 90%     | ●        |
| Acetic acid                           | 100%    | ●        |
| Acetone                               | 100%    | ●        |
| Ammonia                               | conc.   | ●        |
| Ammonium chloride                     | 3%      | ●        |
| Amyl alcohol                          | 3%      | ●        |
| Apple juice                           | 3%      | ●        |
| Benzene                               | 3%      | ●        |
| Bleaching solution                    | 12.5 cl | ●        |
| Boric acid                            | 100%    | ●        |
| Brake fluid                           | 3%      | ●        |
| Butyl acetate                         | 3%      | ●        |
| Calcium chloride                      | 3%      | ●        |
| Carbon disulphide                     | 100%    | ●        |
| Carbon tetrachloride                  | 3%      | ●        |
| Chlorobenzene                         | 100%    | ●        |
| Chloroform                            | 3%      | ●        |
| Citric acid                           | 10%     | ●        |
| Cyclohexanone                         | 100%    | ●        |
| Cyclohexene                           | 100%    | ●        |
| Diesel                                | 3%      | ●        |
| Diethylene oxide                      | 3%      | ●        |
| Ethyl acetate                         | 100%    | ●        |
| Ethyl alcohol (ethanol)               | 96%     | ●        |
| Food oil                              | 3%      | ●        |
| Formaldehyde, aqueous                 | 40%     | ●        |
| Formic acid                           | 10%     | ●        |

| Kemikalie                        | Konc.      | Resultat |
|----------------------------------|------------|----------|
| Frost protection agent           | â€”        | ●        |
| Fuel oil                         | â€”        | ●        |
| Fuel, aromatic free              | â€”        | ●        |
| Glycerine                        | 100%       | ●        |
| Glycol                           | 100%       | ●        |
| Heptane                          | 100%       | ●        |
| Hydrochloric acid                | 10%        | ●        |
| Hydrochloric acid (concentrated) | conc.      | ●        |
| Hydrofluoric acid                | 40%        | ●        |
| Hydrogen peroxide                | 10%        | ●        |
| Hydrogen sulfide, aqueous        | â€”        | ●        |
| Isopropyl alcohol                | 100%       | ●        |
| Linseed oil                      | â€”        | ●        |
| Mercurochrome                    | â€”        | ●        |
| Methyl alcohol (methanol)        | 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 | ●        |
| Paraffin oil                     | 100%       | ●        |
| Perchloroethylene                | â€”        | ●        |
| Petroleum                        | 100%       | ●        |
| Petroleum ether                  | 100%       | ●        |
| Phenol, aqueous                  | ca. 9%     | ●        |
| Phosphoric acid                  | 50%        | ●        |
| Potassium hydroxide solution     | 50%        | ●        |
| Premium fuel                     | â€”        | ●        |
| Propyl alcohol                   | â€”        | ●        |
| Silicone oil                     | â€”        | ●        |

| Kemikalie                       | Konc. | Resultat |
|---------------------------------|-------|----------|
| Sodium carbonate, aqueous       | â€”   | ●        |
| Sodium chloride, aqueous        | â€”   | ●        |
| Sodium hydrogen sulfite         | â€”   | ●        |
| Sodium hydroxide solution (15%) | 15%   | ●        |
| Sodium hydroxide solution (60%) | 60%   | ●        |
| Sodium nitrate, aqueous         | â€”   | ●        |
| Sulphuric acid                  | 96%   | ●        |
| Tetrahydrofuran (THF)           | 100%  | ●        |
| Toluene                         | 100%  | ●        |
| Transformer oil                 | â€”   | ●        |
| Trichloroethylene               | 100%  | ●        |
| Vinegar, standard               | 5-10% | ●        |
| Water                           | â€”   | ●        |
| Xylene                          | â€”   | ●        |