



# PC GF30 1000x500x50 mm natural

Artikelnr P1002909

## 1. Tekniskt datablad

| Egenskap                                      | Värde  | Enhet   | Standard    |
|-----------------------------------------------|--------|---------|-------------|
| Densidad                                      | 1.2    | g/cm³   | ISO 1183    |
| Límite de resistencia a la tracción           | 75     | MPa     | ISO 527     |
| Módulo de elasticidad (tracción)              | 2400   | MPa     | ISO 527-2   |
| Resistencia a la tensión                      | 60     | MPa     |             |
| Deformación a la rotura                       | 50     | %       | ISO 527-2   |
| Punto de fusión                               | 160    | °C      | ISO 3146    |
| Temperatura de servicio máxima (corto plazo)  | 119    | °C      | UL746B      |
| Temperatura de funcionamiento máxima          | 113.75 | °C      |             |
| Temperatura mínima                            | -54    | °C      | UL746B      |
| Deformación térmica (HDT/A)                   | 130    | °C      | ISO 75-2    |
| Deformación térmica (HDT/B)                   | 140    | °C      | ISO 75      |
| Temperatura de ablandamiento Vicat (VST/B/50) | 150    | °C      | ISO 306     |
| Fuerza dieléctrica                            | 29     | kV/mm   | IEC 60243-1 |
| Resistividad volumétrica                      | 10¹³   | Î·cm    | IEC 60093   |
| Constante dieléctrica (1 MHz)                 | 2.98   | -       | IEC 60250   |
| Constante dieléctrica (100 Hz)                | 3      | -       | 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) | 0      |         | UL 94       |
| Resistencia a la flexión                      | 2400   | MPa     | ISO 178     |
| Conductividad térmica                         | 0.21   | W/(m·K) | DIN 52612   |
| Resistencia superficial                       | 10¹²   | Î·      | IEC 60093   |
| Índice de seguimiento comparativo (CTI)       | 279.2  | V       | IEC 60112   |
| Absorción de agua hasta la saturación         | 0.15   | %       | ISO 62      |
| Absorción de agua hasta la saturación         | 0.35   | %       | ISO 62      |
| Resistencia al impacto con entalla (Charpy)   | 9      | kJ/m²   | ISO 179/1eA |

| Egenskap                         | Värde | Enhet               | Standard   |
|----------------------------------|-------|---------------------|------------|
| Coeficiente de expansión térmica | 0.65  | 10 <sup>-6</sup> /K | DIN 11359  |
| Dureza Shore D                   | 85    | Å° Shore D          | ISO 868    |
| Dureza a la presión de bala      | 120   | MPa                 | ISO 2039-1 |

## 2. Kemisk beständighet

● Beständig   ● Delvis beständig   ● Ej beständig

| Kemikalie                             | Konc.   | Resultat |
|---------------------------------------|---------|----------|
| 1,4-Dioxane                           | 100%    | ●        |
| 2-Hydroxypropionic acid (lactic acid) | 90%     | ●        |
| Acetic acid                           | 100%    | ●        |
| Acetone                               | 100%    | ●        |
| Ammonia                               | conc.   | ●        |
| Ammonium chloride                     | â€”     | ●        |
| Apple juice                           | â€”     | ●        |
| Benzene                               | â€”     | ●        |
| Bleaching solution                    | 12.5 cl | ●        |
| Boric acid                            | 100%    | ●        |
| Butyl acetate                         | â€”     | ●        |
| Calcium chloride                      | â€”     | ●        |
| Carbon disulphide                     | 100%    | ●        |
| Carbon tetrachloride                  | â€”     | ●        |
| Chlorine (gas)                        | 100%    | ●        |
| Chlorobenzene                         | 100%    | ●        |
| Chloroform                            | â€”     | ●        |
| Citric acid                           | 10%     | ●        |
| Cresol                                | â€”     | ●        |
| Cyclohexanone                         | 100%    | ●        |
| Cyclohexene                           | 100%    | ●        |
| Diesel                                | â€”     | ●        |
| Diethylene oxide                      | â€”     | ●        |
| Ethyl acetate                         | 100%    | ●        |
| Ethyl alcohol (ethanol)               | 96%     | ●        |
| Ethylene chloride                     | 100%    | ●        |
| Food oil                              | â€”     | ●        |
| Formaldehyde, aqueous                 | 40%     | ●        |

| Kemikalie                        | Konc.       | Resultat |
|----------------------------------|-------------|----------|
|                                  |             |          |
| Formic acid                      | 10%         | ●        |
| 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€”         | ●        |
| Nitric acid (10%)                | 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€”         | ●        |
| Pyridine                         | â€”         | ●        |

| Kemikalie                       | Konc. | Resultat |
|---------------------------------|-------|----------|
| Silicone oil                    | â€”   | ●        |
| 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%  | ●        |
| Trichloroethylene               | 100%  | ●        |
| Vinegar, standard               | 5-10% | ●        |
| Water                           | â€”   | ●        |
| Xylene                          | â€”   | ●        |