



PC GF30 120x1000 mm luonnollinen

Artikelnr P1002826  
Material PC

1. Tekniskt datablad

| Egenskap                                      | Värde            | Enhet             | Standard    |
|-----------------------------------------------|------------------|-------------------|-------------|
| Tiheys                                        | 1.2              | g/cm <sup>3</sup> | ISO 1183    |
| Venymisrajan jännitys                         | 75               | MPa               | ISO 527     |
| Joustavuusmoduli (vetolujuus)                 | 2400             | MPa               | ISO 527-2   |
| Murtolujuus                                   | 60               | MPa               |             |
| Murtovenymä                                   | 50               | %                 | ISO 527-2   |
| Sulamispiste                                  | 160              | °C                | ISO 3146    |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 119              | °C                | UL746B      |
| Maksimi käyttölämpötila                       | 113.75           | °C                |             |
| Alin lämpötila                                | -54              | °C                | UL746B      |
| Lämpökäyrä (HDT/A)                            | 130              | °C                | ISO 75-2    |
| Lämpökäyrä (HDT/B)                            | 140              | °C                | ISO 75      |
| Vicat-pehmenemislämpötila (VST/B/50)          | 150              | °C                | ISO 306     |
| Dielektrinen voimakkuus                       | 29               | kV/mm             | IEC 60243-1 |
| Tilavuusresistanssi                           | 10 <sup>13</sup> | Ω·cm              | IEC 60093   |
| Dielektrinen vakio (1 MHz)                    | 2.98             | -                 | IEC 60250   |
| Dielektrinen vakio (100 Hz)                   | 3                | -                 | IEC 60250   |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0              | -                 | IEC 60250   |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0              | -                 | IEC 60250   |
| Paloaluokitus (UL 94)                         | 0                |                   | UL 94       |
| Taivutuslujuus                                | 2400             | MPa               | ISO 178     |
| Lämmönjohtavuus                               | 0.21             | W/(m·K)           | DIN 52612   |
| Pintaresistanssi                              | 10 <sup>15</sup> | Ω                 | IEC 60093   |
| Vertailukulkemisindeksi (CTI)                 | 279.2            | V                 | IEC 60112   |
| Imeytymisen maksimointi                       | 0.15             | %                 | ISO 62      |
| Vesihaku kyllästymiseen                       | 0.35             | %                 | ISO 62      |

| Egenskap               | Värde | Enhet               | Standard    |
|------------------------|-------|---------------------|-------------|
| Särkyäkesto (Charpy)   | 9     | kJ/m²               | ISO 179/1eA |
| Lämpölaajenemiskerroin | 0.65  | 10 <sup>-4</sup> /K | DIN 11359   |
| Kovuus Shore D         | 85    | ° Shore D           | ISO 868     |
| Kulmapaineen kovuus    | 120   | MPa                 | ISO 2039-1  |

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

| Kemikalie                             | Konc.   | Resultat       |
|---------------------------------------|---------|----------------|
| 1,4-Dioxane                           | 100%    | <span>●</span> |
| 2-Hydroxypropionic acid (lactic acid) | 90%     | <span>●</span> |
| Acetic acid                           | 100%    | <span>●</span> |
| Acetone                               | 100%    | <span>●</span> |
| Ammonia                               | conc.   | <span>●</span> |
| Ammonium chloride                     | -       | <span>●</span> |
| Apple juice                           | -       | <span>●</span> |
| Benzene                               | -       | <span>●</span> |
| Bleaching solution                    | 12.5 cl | <span>●</span> |
| Boric acid                            | 100%    | <span>●</span> |
| Butyl acetate                         | -       | <span>●</span> |
| Calcium chloride                      | -       | <span>●</span> |
| Carbon disulphide                     | 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                                | -       | <span>●</span> |
| Diethylene oxide                      | -       | <span>●</span> |
| Ethyl acetate                         | 100%    | <span>●</span> |
| Ethyl alcohol (ethanol)               | 96%     | <span>●</span> |
| Ethylene chloride                     | 100%    | <span>●</span> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Food oil                         | -         | ●        |
| Formaldehyde, aqueous            | 40%       | ●        |
| Formic acid                      | 10%       | ●        |
| Frost protection agent           | -         | ●        |
| Fuel oil                         | -         | ●        |
| Fuel, aromatic free              | -         | ●        |
| Glycerine                        | 100%      | ●        |
| Glycol                           | 100%      | ●        |
| Heptane                          | 100%      | ●        |
| Hydrochloric acid                | 10%       | ●        |
| Hydrochloric acid (concentrated) | conc.     | ●        |
| Hydrofluoric acid                | 40%       | ●        |
| Hydrogen peroxide                | 10%       | ●        |
| Hydrogen sulfide, aqueous        | -         | ●        |
| Isopropyl alcohol                | 100%      | ●        |
| Linseed oil                      | -         | ●        |
| Mercurochrome                    | -         | ●        |
| Methyl alcohol (methanol)        | 100%      | ●        |
| Methyl ethyl ketone (MEK)        | 100%      | ●        |
| Methylene chloride               | 100%      | ●        |
| Milk                             | -         | ●        |
| Nitric acid (10%)                | 10%       | ●        |
| Nitric acid (50%)                | 50%       | ●        |
| Nitrobenzene                     | -         | ●        |
| Oxalic acid                      | -         | ●        |
| Ozone (gas)                      | ≤ 0.5 ppm | ●        |
| Paraffin oil                     | 100%      | ●        |
| Perchloroethylene                | -         | ●        |
| Petroleum                        | 100%      | ●        |
| Petroleum ether                  | 100%      | ●        |
| Phenol, aqueous                  | ca. 9%    | ●        |
| Phosphoric acid                  | 50%       | ●        |
| Potassium hydroxide solution     | 50%       | ●        |
| Premium fuel                     | -         | ●        |
| Propyl alcohol                   | -         | ●        |

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