



# PEEK GF30 3000x300x8 mm beige

Artikelnr P1500937

## 1. Tekniskt datablad

| Egenskap                                      | Värde | Enhet     | Standard         |
|-----------------------------------------------|-------|-----------|------------------|
| Densidad                                      | 1.51  | g/cm³     | ISO 1183         |
| Låmite de resistencia a la tracci³n           | 105   | MPa       | ISO 527          |
| M³dulo de elasticidad (tracci³n)              | 6380  | MPa       | ISO 527          |
| Resistencia a la tensi³n                      | 180   | MPa       | ISO 527          |
| Deformaci³n a la rotura                       | 2.7   | %         | ISO 527          |
| Punto de fusi³n                               | 341   | °C        | DIN EN ISO 11357 |
| Temperatura de servicio m³xima (corto plazo)  | 300   | °C        |                  |
| Temperatura de funcionamiento m³xima          | 260   | °C        |                  |
| Deformaci³n t³rmica (HDT/A)                   | 328   | °C        | ISO 75           |
| Temperatura de ablandamiento Vicat (VST/B/50) | 50    | °C        | ISO 306          |
| Fuerza diel³ctrica                            | 20    | kV/mm     | IEC 60243-1      |
| Resistividad volum³trica                      | 10¹¹  | Ω·m       | IEC 60093        |
| Constante diel³ctrica (1 MHz)                 | 1     | -         | IEC 60250        |
| Factor de p³rdida diel³ctrica (1 MHz)         | 0.0   | -         | IEC 60250        |
| Clasificaci³n de resistencia al fuego (UL 94) | 0     |           | UL 94            |
| Resistencia a la flexi³n                      | 164   | MPa       | ISO 178          |
| Conductividad t³rmica                         | 0.35  | W/(m·K)   | ISO 22007-4      |
| Resistencia superficial                       | 10¹¹  | Ω·m       | IEC 60093        |
| Absorci³n de agua hasta la saturaci³n         | 0.3   | %         | ISO 62           |
| Resistencia al impacto (Charpy)               | 32    | kJ/m²     | ISO 179          |
| Coefficiente de expansi³n t³rmica             | 0.38  | 10⁻⁵/K    | ISO 11359        |
| Dureza Shore D                                | 90    | ° Shore D | ISO 868          |

## 2. Kemisk best³ndighet

Best³ndig Delvis best³ndig Ej best³ndig

| Kemikalie | Konc. | Resultat |
|-----------|-------|----------|
|-----------|-------|----------|

| Kemikalie                             | Konc. | Resultat |
|---------------------------------------|-------|----------|
| 1,4-Dioxane                           | 100   | ●        |
| 2-Hydroxypropionic acid (lactic acid) | 90    | ●        |
| Acetic acid                           | 100   | ●        |
| Acetone                               | 100   | ●        |
| Ammonia                               | â€”   | ●        |
| Ammonium chloride                     | â€”   | ●        |
| Amyl alcohol                          | â€”   | ●        |
| Apple juice                           | â€”   | ●        |
| Benzene                               | â€”   | ●        |
| Boric acid                            | 100   | ●        |
| Brake fluid                           | â€”   | ●        |
| Butyl acetate                         | â€”   | ●        |
| Calcium chloride                      | â€”   | ●        |
| Carbon tetrachloride                  | â€”   | ●        |
| Chlorine (gas)                        | 100   | ●        |
| Chlorobenzene                         | 100   | ●        |
| Chloroform                            | â€”   | ●        |
| Citric acid                           | 10    | ●        |
| 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    | ●        |
| Formic acid                           | 10    | ●        |
| Frost protection agent                | â€”   | ●        |
| Fuel oil                              | â€”   | ●        |
| Fuel, aromatic free                   | â€”   | ●        |
| Glycerine                             | 100   | ●        |
| Glycol                                | 100   | ●        |
| Heptane                               | 100   | ●        |
| Hydrochloric acid                     | 10    | ●        |

| Kemikalie                                | Konc. | Resultat    |
|------------------------------------------|-------|-------------|
| Hydrochloric acid (concentrated)         | â€”   | <div></div> |
| Hydrofluoric acid                        | 40    | <div></div> |
| Hydrogen peroxide                        | 10    | <div></div> |
| Hydrogen sulfide (aqueous)               | â€”   | <div></div> |
| Isopropyl alcohol                        | 100   | <div></div> |
| Linseed oil                              | â€”   | <div></div> |
| Mercurochrome                            | â€”   | <div></div> |
| Methyl alcohol (methanol)                | 100   | <div></div> |
| Methyl ethyl ketone (MEK)                | 100   | <div></div> |
| Methylene chloride                       | 100   | <div></div> |
| Milk                                     | â€”   | <div></div> |
| Mineral oils (aromatic free)             | â€”   | <div></div> |
| Nitric acid                              | 50    | <div></div> |
| Nitric acid                              | 10    | <div></div> |
| Nitrobenzene                             | â€”   | <div></div> |
| Oxalic acid                              | â€”   | <div></div> |
| Ozone (gas)                              | â€”   | <div></div> |
| Paraffin oil                             | 100   | <div></div> |
| Perchloroethylene                        | â€”   | <div></div> |
| Petroleum                                | 100   | <div></div> |
| Petroleum ether                          | 100   | <div></div> |
| Phenol (aqueous)                         | 9     | <div></div> |
| Phosphoric acid                          | 50    | <div></div> |
| Potassium hydroxide solution             | 50    | <div></div> |
| 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 solution (caustic soda) | 60    | <div></div> |
| Sodium hydroxide solution (caustic soda) | 15    | <div></div> |
| Sodium nitrate (aqueous)                 | â€”   | <div></div> |
| Sodium thiosulfate                       | â€”   | <div></div> |

| Kemikalie             | Konc. | Resultat    |
|-----------------------|-------|-------------|
| Sulphuric 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> |