



# PEEK+PTFE 32x3000 mm blue

Artikelnr P1501471

## 1. Tekniskt datablad

| Egenskap                                   | V rde      | Enhet        | Standard    |
|--------------------------------------------|------------|--------------|-------------|
| Density                                    | 1.31       | g/cm         | ISO 1183    |
| Modulus of elasticity (tensile)            | 4400       | MPa          | ISO 527-2   |
| Break Elongation                           | 20         | %            | ISO 527-2   |
| Melting point                              | 340        |   C          | ISO 3146    |
| Maximal operating temperature (short-term) | 310        |   C          |             |
| Maximum Operating Temperature              | 200        |   C          |             |
| Heat deflection temperature (HDT/A)        | 160        |   C          | ISO 75-2    |
| Dielectric Strength                        | 24         | kV/mm        | IEC 60243-1 |
| Volume Resistivity                         | 10         |              | IEC 60093   |
| Dielectric Constant (1 MHz)                | 3.6        | -            | IEC 60250   |
| Dielectric Constant (100 Hz)               | 3.2        | -            | IEC 60250   |
| Dielectric loss factor (1 MHz)             | 0.0        | -            | IEC 60250   |
| Dielectric loss factor (100 Hz)            | 0.0        | -            | IEC 60250   |
| Flexural Strength                          | 110        | MPa          | ISO 527-2   |
| Thermal Conductivity                       | 0.25       | W/(m    )    | DIN 52612   |
| Surface Resistivity                        | 10         |              | IEC 60093   |
| Comparative Tracking Index (CTI)           | 150        | V            | IEC 60112   |
| Water absorption to saturation             | 0.2        | %            | ISO 62      |
| Water Absorption to Saturation             | 0.45       | %            | ISO 62      |
| Notched impact strength (Charpy)           | 3.5        | kJ/m         | ISO 179/1eA |
| Thermal Expansion Coefficient              | 0.5        | 10        /K | ISO 11359   |
| Ball pressure hardness                     | 230        | MPa          | ISO 2039-1  |

## 2. Kemisk best  ndighet

   Best  ndig    Delvis best  ndig    Ej best  ndig

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

| Kemikalie               | Konc. | Resultat |
|-------------------------|-------|----------|
| 1,4-Dioxane             | 100   | ●        |
| 2-Hydroxypropionic Acid | 90    | ●        |
| Acetic Acid             | 100   | ●        |
| Acetone                 | 100   | ●        |
| Ammonia                 | â€”   | ●        |
| Ammonium Chloride       | â€”   | ●        |
| Amyl Alcohol            | â€”   | ●        |
| Apple Juice             | â€”   | ●        |
| Benzene                 | â€”   | ●        |
| Bleaching Solution      | â€”   | ●        |
| Boric Acid              | 100   | ●        |
| Brake Fluid             | â€”   | ●        |
| Butyl Acetate           | â€”   | ●        |
| Calcium Chloride        | â€”   | ●        |
| Carbon Disulfide        | 100   | ●        |
| Carbon Tetrachloride    | â€”   | ●        |
| Chlorine (gas)          | 100   | ●        |
| Chlorobenzene           | 100   | ●        |
| Chloroform              | â€”   | ●        |
| Citric Acid             | 10    | ●        |
| Cresol                  | â€”   | ●        |
| Cyclohexanone           | 100   | ●        |
| Cyclohexene             | 100   | ●        |
| Diesel Fuel             | â€”   | ●        |
| Diethylene Oxide        | â€”   | ●        |
| Ethyl Acetate           | 100   | ●        |
| Ethyl Alcohol           | 96    | ●        |
| Ethylene Chloride       | 100   | ●        |
| Food Oil                | â€”   | ●        |
| Formaldehyde (aqueous)  | 40    | ●        |
| Formic Acid             | 10    | ●        |
| Frost Protection Agent  | â€”   | ●        |
| Fuel, aromatic free     | â€”   | ●        |
| Glycerine               | 100   | ●        |
| Glycol                  | 100   | ●        |

| Kemikalie                        | Konc. | Resultat |
|----------------------------------|-------|----------|
| Heating Oil                      | â€”   | ●        |
| Heptane                          | 100   | ●        |
| Hydrochloric Acid                | 10    | ●        |
| Hydrochloric Acid (concentrated) | â€”   | ●        |
| Hydrofluoric Acid                | 40    | ●        |
| Hydrogen Peroxide                | 10    | ●        |
| Hydrogen Sulfide (aqueous)       | 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    | ●        |
| Nitrobenzene                     | â€”   | ●        |
| Oxalic Acid                      | â€”   | ●        |
| Ozone Gas                        | â€”   | ●        |
| Paraffine Oil                    | 100   | ●        |
| Perchloroethylene                | â€”   | ●        |
| Petroleum                        | 100   | ●        |
| Petroleum Ether                  | 100   | ●        |
| Phenol (aqueous)                 | 9     | ●        |
| Phosphoric Acid                  | 50    | ●        |
| Potassium Hydroxide liquor       | 50    | ●        |
| Premium Fuel                     | â€”   | ●        |
| Propyl Alcohol                   | â€”   | ●        |
| Pyridine                         | â€”   | ●        |
| Silicone Oil                     | â€”   | ●        |
| Sodium Carbonate (aqueous)       | â€”   | ●        |
| Sodium Chloride (aqueous)        | â€”   | ●        |
| Sodium Hydrogen Sulfite          | â€”   | ●        |
| Sodium Hydroxide liquor          | 15    | ●        |

| Kemikalie                | Konc. | Resultat |
|--------------------------|-------|----------|
| Sodium Hydroxide liquor  | 60    | ●        |
| Sodium Nitrate (aqueous) | â€”   | ●        |
| Sodium Thiosulfate       | â€”   | ●        |
| Sulfuric Acid            | 96    | ●        |
| Tetrahydrofuran (THF)    | 100   | ●        |
| Toluene                  | 100   | ●        |
| Transformer Oil          | â€”   | ●        |
| Trichloroethylene        | 100   | ●        |
| Vinegar (standard)       | 5-10  | ●        |
| Water                    | â€”   | ●        |
| Xylene                   | â€”   | ●        |