



# PEEK+PTFE 12x3000 mm sininen

Artikelnr P1501461

## 1. Tekniskt datablad

| Egenskap                                      | Värde  | Enhet   | Standard    |
|-----------------------------------------------|--------|---------|-------------|
| Tiheys                                        | 1.31   | g/cm³   | ISO 1183    |
| Joustavuusmoduli (vetolujuus)                 | 4400   | MPa     | ISO 527-2   |
| Murtovenymä                                   | 20     | %       | ISO 527-2   |
| Sulamispiste                                  | 340    | °C      | ISO 3146    |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 310    | °C      |             |
| Maksimi käyttölämpötila                       | 200    | °C      |             |
| Lämpökestävä (HDT/A)                          | 160    | °C      | ISO 75-2    |
| Dielektrinen voimakkuus                       | 24     | kV/mm   | IEC 60243-1 |
| Tilavuusresistanssi                           | 10¹¹ Ω | Ω·cm    | IEC 60093   |
| Dielektrinen vakio (1 MHz)                    | 3.6    | -       | IEC 60250   |
| Dielektrinen vakio (100 Hz)                   | 3.2    | -       | IEC 60250   |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0    | -       | IEC 60250   |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0    | -       | IEC 60250   |
| Taivutuslujuus                                | 110    | MPa     | ISO 527-2   |
| Lämpöjohtavuus                                | 0.25   | W/(m·K) | DIN 52612   |
| Pintaresistanssi                              | 10¹¹ Ω | Ω       | IEC 60093   |
| Vertailukulkemisindeksi (CTI)                 | 150    | V       | IEC 60112   |
| Imeytymisen maksimointi                       | 0.2    | %       | ISO 62      |
| Vesihaku kyllästymiseen                       | 0.45   | %       | ISO 62      |
| Särkyäkesto (Charpy)                          | 3.5    | kJ/m²   | ISO 179/1eA |
| Lämpölaajenemiskerroin                        | 0.5    | 10⁻⁵ /K | ISO 11359   |
| Kulmapaineen kovuus                           | 230    | MPa     | ISO 2039-1  |

## 2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

| 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€”   | ●        |