



# PEEK+PTFE 18x3000 mm blå

Artikelnr P1501465

## 1. Tekniskt datablad

| Egenskap                               | Värde | Enhet   | Standard    |
|----------------------------------------|-------|---------|-------------|
| Tetthet                                | 1.31  | g/cm³   | ISO 1183    |
| Elastisitetsmodul (trek)               | 4400  | MPa     | ISO 527-2   |
| Brottsdeformasjon                      | 20    | %       | ISO 527-2   |
| Smeltepunkt                            | 340   | °C      | ISO 3146    |
| Maksimal drifttemperatur (kortvarig)   | 310   | °C      |             |
| Maksimal driftstemperatur              | 200   | °C      |             |
| Varme-forvregning (HDT/A)              | 160   | °C      | ISO 75-2    |
| Dielektrisk Styrke                     | 24    | kV/mm   | IEC 60243-1 |
| VolumResistivitet                      | 10¹²  | Ω·cm    | IEC 60093   |
| Dielektrisk konstant (1 MHz)           | 3.6   | -       | IEC 60250   |
| Dielektrisk konstant (100 Hz)          | 3.2   | -       | IEC 60250   |
| Dielektrisk dissipasjonsfaktor (1 MHz) | 0.0   | -       | IEC 60250   |
| Dielektrisk tapfaktor (100 Hz)         | 0.0   | -       | IEC 60250   |
| Bærefasthet                            | 110   | MPa     | ISO 527-2   |
| Termisk konduktivitet                  | 0.25  | W/(m·K) | DIN 52612   |
| Overflatemotstand                      | 10¹³  | Ω       | IEC 60093   |
| Sammenligningskrypsranksindeks (CTI)   | 150   | V       | IEC 60112   |
| Fuktabsorpsjon til metning             | 0.2   | %       | ISO 62      |
| Vannabsorpsjon til metning             | 0.45  | %       | ISO 62      |
| Skjæret slagfasthet (Charpy)           | 3.5   | kJ/m²   | ISO 179/1eA |
| Termisk utvidelseskoeffisient          | 0.5   | 10⁻⁵ /K | ISO 11359   |
| Kuletrykkshardhet                      | 230   | MPa     | ISO 2039-1  |

## 2. Kemisk bestandighet

Beständig Delvis beständig Ej beständig

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

| Kemikalie               | Konc. | Resultat |
|-------------------------|-------|----------|
| 1,4-Dioxan              | 100   | ●        |
| 2-Hydroxypropionic Acid | 90    | ●        |
| Acetic Acid             | 100   | ●        |
| Aceton                  | 100   | ●        |
| Ammoniak                | â€”   | ●        |
| Ammonium Chloride       | â€”   | ●        |
| Amyl Alcohol            | â€”   | ●        |
| Apple Juice             | â€”   | ●        |
| Bensen                  | â€”   | ●        |
| Bleaching Solution      | â€”   | ●        |
| Boric Acid              | 100   | ●        |
| Brake Fluid             | â€”   | ●        |
| Br  nsle, aromatfritt   | â€”   | ●        |
| Butyl Acetate           | â€”   | ●        |
| Calcium Chloride        | â€”   | ●        |
| Carbon Disulfide        | 100   | ●        |
| Carbon Tetrachloride    | â€”   | ●        |
| Citric Acid             | 10    | ●        |
| Cyklohexanon            | 100   | ●        |
| Cyklohexen              | 100   | ●        |
| Diesel Fuel             | â€”   | ●        |
| Diethylene Oxide        | â€”   | ●        |
| Eddik (standard)        | 5-10  | ●        |
| Ethyl Acetate           | 100   | ●        |
| Ethyl Alcohol           | 96    | ●        |
| Ethylene Chloride       | 100   | ●        |
| Fenol (vattenl.)        | 9     | ●        |
| Food Oil                | â€”   | ●        |
| Formaldehyd (vattenl.)  | 40    | ●        |
| Formic Acid             | 10    | ●        |
| Frost Protection Agent  | â€”   | ●        |
| Glycerin                | 100   | ●        |
| Glykol                  | 100   | ●        |
| Heating Oil             | â€”   | ●        |
| Heptan                  | 100   | ●        |

| Kemikalie                        | Konc. | Resultat    |
|----------------------------------|-------|-------------|
| Hydrochloric Acid                | 10    | <div></div> |
| 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> |
| Klor (gas)                       | 100   | <div></div> |
| Klorbensen                       | 100   | <div></div> |
| Kloroform                        | â€”   | <div></div> |
| Kresol                           | â€”   | <div></div> |
| Linseed Oil                      | â€”   | <div></div> |
| Melk                             | â€”   | <div></div> |
| Merkurokrom                      | â€”   | <div></div> |
| Methyl Alcohol                   | 100   | <div></div> |
| Methyl Ethyl Ketone (MEK)        | 100   | <div></div> |
| Methylene Chloride               | 100   | <div></div> |
| Mineral Oils (aromatic free)     | â€”   | <div></div> |
| Nitric Acid                      | 10    | <div></div> |
| Nitric Acid                      | 50    | <div></div> |
| Nitrobensen                      | â€”   | <div></div> |
| Oxalic Acid                      | â€”   | <div></div> |
| Ozone Gas                        | â€”   | <div></div> |
| Paraffine Oil                    | 100   | <div></div> |
| Perkloretylen                    | â€”   | <div></div> |
| Petroleum                        | 100   | <div></div> |
| Petroleum Ether                  | 100   | <div></div> |
| Phosphoric Acid                  | 50    | <div></div> |
| Potassium Hydroxide liquor       | 50    | <div></div> |
| Premium Fuel                     | â€”   | <div></div> |
| Propyl Alcohol                   | â€”   | <div></div> |
| Pyridin                          | 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> |

| Kemikalie                | Konc. | Resultat |
|--------------------------|-------|----------|
| Sodium Hydroxide liquor  | 15    | ●        |
| Sodium Hydroxide liquor  | 60    | ●        |
| Sodium Nitrate (aqueous) | â€”   | ●        |
| Sodium Thiosulfate       | â€”   | ●        |
| Sulfuric Acid            | 96    | ●        |
| Tetrahydrofuran (THF)    | 100   | ●        |
| Toluen                   | 100   | ●        |
| Transformer Oil          | â€”   | ●        |
| Trikloreten              | 100   | ●        |
| Vann                     | â€”   | ●        |
| Xylen                    | â€”   | ●        |