



# PA6.6 FG 180x3000 mm luonnollinen

Artikelnr P1002381

## 1. Tekniskt datablad

| Egenskap                                      | Värde  | Enhet     | Standard    |
|-----------------------------------------------|--------|-----------|-------------|
| Tiheys                                        | 1.14   | g/cm³     | ISO 1183    |
| Venymisrajan jännitys                         | 80     | MPa       | ISO 527     |
| Joustavuusmoduli (vetolujuus)                 | 3285   | MPa       | ISO 527-2   |
| Murtovenymä                                   | 55     | %         | ISO 527-2   |
| Sulamispiste                                  | 260    | °C        | ISO 3146    |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 140    | °C        | UL746B      |
| Maksimi käyttölämpötila                       | 95     | °C        |             |
| Alin lämpötila                                | -30    | °C        |             |
| Lämpökestävyys (HDT/A)                        | 92.5   | °C        | ISO 75-2    |
| Lämpökestävyys (HDT/B)                        | 200    | °C        | ISO 75-2    |
| Dielektrinen voimakkuus                       | 28.5   | kV/mm     | IEC 60243-1 |
| Tilavuusresistanssi                           | ~10⁻¹⁵ | Î··cm     | IEC 60093   |
| Dielektrinen vakio (1 MHz)                    | 3.45   | -         | IEC 60250   |
| Dielektrinen vakio (100 Hz)                   | 3.8    | -         | IEC 60250   |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.11   | -         | IEC 60250   |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0    | -         | IEC 60250   |
| Taivutuslujuus                                | 1455   | MPa       | ISO 178     |
| Lämpöjohtavuus                                | 0.28   | W/(m·K)   | DIN 52612   |
| Pintaresistanssi                              | 10⁻¹⁵  | Î©        | IEC 60093   |
| Vertailukulkemisindeksi (CTI)                 | 600    | V         | IEC 60112   |
| Imeytymisen maksimointi                       | 5.45   | %         | ISO 62      |
| Vesihaku kylästymiseen                        | 8.75   | %         | ISO 62      |
| Särkyäkesto (Charpy)                          | 6      | kJ/m²     | ISO 179/1eA |
| Lämpölaajenemiskerroin                        | 0.8    | 10⁻⁵/K    | DIN 11359   |
| Kovuus Shore D                                | 83     | ° Shore D | ISO 868     |
| Kulmapaineen kovuus                           | 160    | MPa       | ISO 2039-1  |

2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

| Kemikalie               | Konc.   | Resultat |
|-------------------------|---------|----------|
| 1,4-Dioxane             | 100     | ●        |
| 2-Hydroxypropionic Acid | 90      | ●        |
| Acetic Acid             | 100     | ●        |
| Acetone                 | 100     | ●        |
| Ammonia                 | conc.   | ●        |
| Ammonium Chloride       | â€”     | ●        |
| Amyl Alcohol            | â€”     | ●        |
| Apple Juice             | â€”     | ●        |
| Benzene                 | â€”     | ●        |
| Bleaching Solution      | 12.5 cl | ●        |
| 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€”     | ●        |

| Kemikalie                        | Konc.       | Resultat    |
|----------------------------------|-------------|-------------|
| Fuel (aromatic free)             | â€”         | <div></div> |
| Glycerine                        | 100         | <div></div> |
| Glycol                           | 100         | <div></div> |
| Heating Oil                      | â€”         | <div></div> |
| Heptane                          | 100         | <div></div> |
| Hydrochloric Acid                | 10          | <div></div> |
| Hydrochloric Acid (concentrated) | conc.       | <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                   | 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                      | 10          | <div></div> |
| Nitric Acid                      | 50          | <div></div> |
| Nitrobenzene                     | â€”         | <div></div> |
| Oxalic Acid                      | â€”         | <div></div> |
| Ozone Gas                        | â‰‰ 0.5 ppm | <div></div> |
| Paraffine Oil                    | 100         | <div></div> |
| Perchloroethylene                | â€”         | <div></div> |
| Petroleum                        | 100         | <div></div> |
| Petroleum Ether                  | 100         | <div></div> |
| Phenol (aqueous)                 | ca. 9       | <div></div> |
| Phosphoric Acid                  | 50          | <div></div> |
| Potassium Hydroxide liquor       | 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> |

| Kemikalie                 | Konc.  | Resultat |
|---------------------------|--------|----------|
| Sodium Chloride (aqueous) | â€”    | ●        |
| Sodium Hydrogen Sulfite   | â€”    | ●        |
| Sodium Hydroxide liquor   | 60     | ●        |
| Sodium Hydroxide liquor   | 15     | ●        |
| 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€”    | ●        |