



# PA6.6 FG 105x3000 mm luonnollinen

Artikelnr P1002367

## 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 <sup>-14</sup> | Ω·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 <sup>-14</sup>  | Ω                   | IEC 60093   |
| Vertailukulkemisindeksi (CTI)                 | 600                | V                   | IEC 60112   |
| Imeytymisen maksimointi                       | 5.45               | %                   | ISO 62      |
| Vesihaku kyllästymiseen                       | 8.75               | %                   | ISO 62      |
| Särkyäkesto (Charpy)                          | 6                  | kJ/m²               | ISO 179/1eA |
| Lämpölaajenemiskerroin                        | 0.8                | 10 <sup>-6</sup> /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     | <span>●</span> |
| 2-Hydroxypropionic Acid | 90      | <span>●</span> |
| Acetic Acid             | 100     | <span>●</span> |
| Acetone                 | 100     | <span>●</span> |
| Ammonia                 | conc.   | <span>●</span> |
| Ammonium Chloride       | â€”     | <span>●</span> |
| Amyl Alcohol            | â€”     | <span>●</span> |
| Apple Juice             | â€”     | <span>●</span> |
| Benzene                 | â€”     | <span>●</span> |
| Bleaching Solution      | 12.5 cl | <span>●</span> |
| Boric Acid              | 100     | <span>●</span> |
| Brake Fluid             | â€”     | <span>●</span> |
| Butyl Acetate           | â€”     | <span>●</span> |
| Calcium Chloride        | â€”     | <span>●</span> |
| Carbon Disulfide        | 100     | <span>●</span> |
| Carbon Tetrachloride    | â€”     | <span>●</span> |
| Chlorine (gas)          | 100     | <span>●</span> |
| Chlorobenzene           | 100     | <span>●</span> |
| Chloroform              | â€”     | <span>●</span> |
| Citric Acid             | 10      | <span>●</span> |
| Cresol                  | â€”     | <span>●</span> |
| Cyclohexanone           | 100     | <span>●</span> |
| Cyclohexene             | 100     | <span>●</span> |
| Diesel Fuel             | â€”     | <span>●</span> |
| Diethylene Oxide        | â€”     | <span>●</span> |
| Ethyl Acetate           | 100     | <span>●</span> |
| Ethyl Alcohol           | 96      | <span>●</span> |
| Ethylene Chloride       | 100     | <span>●</span> |
| Food Oil                | â€”     | <span>●</span> |
| Formaldehyde (aqueous)  | 40      | <span>●</span> |
| Formic Acid             | 10      | <span>●</span> |
| Frost Protection Agent  | â€”     | <span>●</span> |

| 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€”    | ●        |