



# PA6.6 GF30 150x1000 mm svart

Artikelnr P1002505

## 1. Tekniskt datablad

| Egenskap                                   | Värde | Enhet     | Standard    |
|--------------------------------------------|-------|-----------|-------------|
| Density                                    | 1.3   | g/cm³     | ISO 1183    |
| Tensile Strength                           | 100   | MPa       | ISO 527     |
| Modulus of elasticity (tensile)            | 5900  | MPa       | ISO 527-2   |
| Breakdown Voltage                          | 100   | MPa       | ISO 527-2   |
| Break Elongation                           | 5     | %         | ISO 527-2   |
| Melting point                              | 257.5 | °C        | ISO 3146    |
| Maximal operating temperature (short-term) | 175   | °C        | UL746B      |
| Maximum Operating Temperature              | 120   | °C        |             |
| Minimum temperature                        | -20   | °C        |             |
| Heat deflection temperature (HDT/A)        | 150   | °C        | ISO 75-2    |
| Heat deflection temperature (HDT/B)        | 250   | °C        | ISO 75      |
| Dielectric Strength                        | 30    | kV/mm     | IEC 60243-1 |
| Volume Resistivity                         | ~10¹³ | Ω·cm      | IEC 60093   |
| Dielectric Constant (1 MHz)                | 3.6   | -         | IEC 60250   |
| Dielectric loss factor (1 MHz)             | 0.0   | -         | IEC 60250   |
| Thermal Conductivity                       | 0.31  | W/(m·K)   | DIN 52612   |
| Surface Resistivity                        | ~10¹³ | Ω         | IEC 60093   |
| Comparative Tracking Index (CTI)           | 475   | V         | IEC 60112   |
| Water absorption to saturation             | 3.6   | %         | ISO 62      |
| Water Absorption to Saturation             | 5.5   | %         | ISO 62      |
| Notched impact strength (Charpy)           | 6     | kJ/m²     | ISO 179/1eA |
| Impact Resistance (Charpy)                 | 50    | kJ/m²     | ISO 179/1eU |
| Thermal Expansion Coefficient              | 0.5   | 10⁻⁵/K    | ISO 11359   |
| Hardness Shore D                           | 85    | ° Shore D | ISO 868     |
| Ball pressure hardness                     | 165   | 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€”     |          |
| Fuel (aromatic free)    | â€”     |          |
| Glycerine               | 100     |          |

| Kemikalie                        | Konc.       | Resultat    |
|----------------------------------|-------------|-------------|
| 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> |
| Sodium Chloride (aqueous)        | â€”         | <div></div> |
| Sodium Hydrogen Sulfite          | â€”         | <div></div> |

| Kemikalie                | Konc.  | Resultat |
|--------------------------|--------|----------|
| 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€”    | ●        |