



PA6 GF30 140x3000 mm svart

Artikelnr P1001461  
Material PA

1. Tekniskt datablad

| Egenskap                                   | Värde            | Enhet               | Standard    |
|--------------------------------------------|------------------|---------------------|-------------|
| Density                                    | 1.34             | g/cm³               | ISO 1183    |
| Modulus of elasticity (tensile)            | 8700             | MPa                 | ISO 527-2   |
| Melting point                              | 220              | °C                  | ISO 3146    |
| Maximal operating temperature (short-term) | 180              | °C                  |             |
| Maximum Operating Temperature              | 100              | °C                  |             |
| Minimum temperature                        | -20              | °C                  |             |
| Heat deflection temperature (HDT/A)        | 210              | °C                  | ISO 75-2    |
| Volume Resistivity                         | 10 <sup>14</sup> | Ω·cm                | IEC 60093   |
| Flexural Strength                          | 120              | MPa                 | ISO 527-2   |
| Thermal Conductivity                       | 0.28             | W/(m·K)             | DIN 52612   |
| Surface Resistivity                        | 10 <sup>13</sup> | Ω                   | IEC 60093   |
| Water absorption to saturation             | 2.1              | %                   | ISO 62      |
| Water Absorption to Saturation             | 6.6              | %                   | ISO 62      |
| Notched impact strength (Charpy)           | 5                | kJ/m²               | ISO 179/1eA |
| Impact Resistance (Charpy)                 | 50               | kJ/m²               | ISO 179/1eU |
| Thermal Expansion Coefficient              | 0.26             | 10 <sup>-4</sup> /K | DIN 11359   |
| Ball pressure hardness                     | 43               | 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   | ●        |

| Kemikalie              | Konc.   | Resultat    |
|------------------------|---------|-------------|
| Ammonia                | conc.   | <div></div> |
| Ammonium Chloride      | -       | <div></div> |
| Amyl Alcohol           | -       | <div></div> |
| Apple Juice            | -       | <div></div> |
| Benzene                | -       | <div></div> |
| Bleaching Solution     | 12.5 cl | <div></div> |
| Boric Acid             | 100     | <div></div> |
| Brake Fluid            | -       | <div></div> |
| Butyl Acetate          | -       | <div></div> |
| Calcium Chloride       | -       | <div></div> |
| Carbon Disulfide       | 100     | <div></div> |
| Carbon Tetrachloride   | -       | <div></div> |
| Chlorine (gas)         | 100     | <div></div> |
| Chlorobenzene          | 100     | <div></div> |
| Chloroform             | -       | <div></div> |
| Citric Acid            | 10      | <div></div> |
| Cresol                 | -       | <div></div> |
| Cyclohexanone          | 100     | <div></div> |
| Cyclohexene            | 100     | <div></div> |
| Diesel Fuel            | -       | <div></div> |
| Diethylene Oxide       | -       | <div></div> |
| Ethyl Acetate          | 100     | <div></div> |
| Ethyl Alcohol          | 96      | <div></div> |
| Ethylene Chloride      | 100     | <div></div> |
| Food Oil               | -       | <div></div> |
| Formaldehyde (aqueous) | 40      | <div></div> |
| Formic Acid            | 10      | <div></div> |
| Frost Protection Agent | -       | <div></div> |
| Fuel (aromatic free)   | -       | <div></div> |
| Glycerine              | 100     | <div></div> |
| Glycol                 | 100     | <div></div> |
| Heating Oil            | -       | <div></div> |
| Heptane                | 100     | <div></div> |
| Hydrochloric Acid      | 10      | <div></div> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Hydrochloric Acid (concentrated) | conc.     | ●        |
| Hydrofluoric Acid                | 40        | ●        |
| Hydrogen Peroxide                | 10        | ●        |
| Hydrogen Sulfide (aqueous)       | -         | ●        |
| Isopropyl Alcohol                | 100       | ●        |
| Linseed Oil                      | -         | ●        |
| Mercurochrome                    | -         | ●        |
| Methyl Alcohol                   | 100       | ●        |
| Methyl Ethyl Ketone (MEK)        | 100       | ●        |
| Methylene Chloride               | 100       | ●        |
| Milk                             | -         | ●        |
| Mineral Oils (aromatic free)     | -         | ●        |
| Nitric Acid                      | 10        | ●        |
| Nitric Acid                      | 50        | ●        |
| Nitrobenzene                     | -         | ●        |
| Oxalic Acid                      | -         | ●        |
| Ozone Gas                        | ≤ 0.5 ppm | ●        |
| Paraffine Oil                    | 100       | ●        |
| Perchloroethylene                | -         | ●        |
| Petroleum                        | 100       | ●        |
| Petroleum Ether                  | 100       | ●        |
| Phenol (aqueous)                 | ca. 9     | ●        |
| Phosphoric Acid                  | 50        | ●        |
| Potassium Hydroxide liquor       | 50        | ●        |
| Premium Fuel                     | -         | ●        |
| Propyl Alcohol                   | -         | ●        |
| Pyridine                         | -         | ●        |
| Silicone Oil                     | -         | ●        |
| Sodium Carbonate (aqueous)       | -         | ●        |
| Sodium Chloride (aqueous)        | -         | ●        |
| Sodium Hydrogen Sulfite          | -         | ●        |
| Sodium Hydroxide liquor          | 60        | ●        |
| Sodium Hydroxide liquor          | 15        | ●        |
| Sodium Nitrate (aqueous)         | -         | ●        |
| Sodium Thiosulfate               | -         | ●        |

| Kemikalie             | Konc.  | Resultat    |
|-----------------------|--------|-------------|
| Sulfuric Acid         | 96     | <div></div> |
| Tetrahydrofuran (THF) | 100    | <div></div> |
| Toluene               | 100    | <div></div> |
| Transformer Oil       | -      | <div></div> |
| Trichloroethylene     | 100    | <div></div> |
| Vinegar (standard)    | 5 - 10 | <div></div> |
| Water                 | -      | <div></div> |
| Xylene                | -      | <div></div> |