



# PA6 E FG 40x1000 mm natur

Artikelnr P1001214

## 1. Tekniskt datablad

| Egenskap                                   | VÄrde | Enhet | Standard       |
|--------------------------------------------|-------|-------|----------------|
| Density                                    | 1.14  | g/cm³ | ISO 1183       |
| Density                                    | 1.13  | g/cm³ | ISO 1183       |
| Tensile Strength                           | 70    | MPa   | DIN EN ISO 527 |
| Tensile Strength                           | 83    | MPa   | ISO 527        |
| Modulus of elasticity (tensile)            | 3250  | MPa   | ISO 527-2      |
| Modulus of elasticity (tensile)            | 3330  | MPa   | ISO 527        |
| Breakdown Voltage                          | 75    | MPa   | ISO 527-2      |
| Breakdown Voltage                          | 54    | MPa   | ISO 527        |
| Break Elongation                           | 40    | %     | ISO 527-2      |
| Break Elongation                           | 50    | %     | ISO 527        |
| Melting point                              | 220   | °C    | ISO 3146       |
| Melting point                              | 220   | °C    | ISO 3146       |
| Maximal operating temperature (short-term) | 160   | °C    |                |
| Maximal operating temperature (short-term) | 130   | °C    | UL746B         |
| Maximum Operating Temperature              | 90.5  | °C    |                |
| Maximum Operating Temperature              | 85    | °C    |                |
| Minimum temperature                        | -36   | °C    |                |
| Minimum temperature                        | -40   | °C    |                |
| Heat deflection temperature (HDT/A)        | 70    | °C    | ISO 75-2       |
| Heat deflection temperature (HDT/A)        | 75    | °C    | ISO 75-2       |
| Heat deflection temperature (HDT/B)        | 140   | °C    | ISO 75-2       |
| Heat deflection temperature (HDT/B)        | 190   | °C    | ISO 75-2       |
| Vicat softening temperature (VST/B/50)     | 190   | °C    | ISO 306        |
| Dielectric Strength                        | 30    | kV/mm | IEC 60243-1    |
| Dielectric Strength                        | 25    | kV/mm | IEC 60243-1    |
| Volume Resistivity                         | 10¹·³ | Î©·cm | IEC 60093      |
| Volume Resistivity                         | 10¹·² | Î©·cm | IEC 60093      |



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

| Kemikalie                        | Konc.       | Resultat    |
|----------------------------------|-------------|-------------|
| 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> |
| Sodium Hydroxide liquor          | 60          | <div></div> |
| Sodium Hydroxide liquor          | 15          | <div></div> |

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