



PA6 C 75x1000 mm natur

Artikelnr P1001642  
Material PA

1. Tekniskt datablad

| Egenskap                               | Värde            | Enhet               | Standard    |
|----------------------------------------|------------------|---------------------|-------------|
| Tetthet                                | 1.1              | g/cm³               | ISO 1183    |
| StreckgrenseSpenning                   | 75               | MPa                 | ISO 527     |
| Elastisitetsmodul (trek)               | 3500             | MPa                 | ISO 527-2   |
| Brottsdeformasjon                      | 25               | %                   | ISO 527-2   |
| Smeltepunkt                            | 220              | °C                  | ISO 3146    |
| Maksimal drifttemperatur (kortvarig)   | 170              | °C                  |             |
| Maksimal driftstemperatur              | 105              | °C                  |             |
| Minstemperatur                         | -30              | °C                  |             |
| Varme-forvrengning (HDT/A)             | 80               | °C                  | ISO 75-2    |
| Dielektrisk Styrke                     | 25               | kV/mm               | IEC 60243-1 |
| VolumResistivitet                      | 10 <sup>14</sup> | Ω·cm                | IEC 60093   |
| Dielektrisk konstant (1 MHz)           | 3.2              | -                   | IEC 60250   |
| Dielektrisk konstant (100 Hz)          | 3.6              | -                   | IEC 60250   |
| Dielektrisk dissipasjonsfaktor (1 MHz) | 0.0              | -                   | IEC 60250   |
| Dielektrisk tapfaktor (100 Hz)         | 0.0              | -                   | IEC 60250   |
| Bøyhållfasthet                         | 85               | MPa                 | ISO 527-2   |
| Termisk konduktivitet                  | 0.29             | W/(m·K)             | DIN 52612   |
| Overflatemotstand                      | 10 <sup>13</sup> | Ω                   | IEC 60093   |
| Sammenligningskrypstrømsindeks (CTI)   | 600              | V                   | IEC 60112   |
| Fuktabsorpsjon til metning             | 2.3              | %                   | ISO 62      |
| Vannabsorpsjon til metning             | 6.5              | %                   | ISO 62      |
| Skåret slagfasthet (Charpy)            | 3.5              | kJ/m²               | ISO 179/1eA |
| Termisk utvidelseskoeffisient          | 0.8              | 10 <sup>-4</sup> /K | ISO 11359   |
| Kuletrykkshardhet                      | 148.3            | MPa                 | ISO 2039-1  |

## 2. Kemisk beständighet

● Beständig   ● Delvis beständig   ● Ej beständig

| Kemikalie               | Konc.   | Resultat       |
|-------------------------|---------|----------------|
| 1,4-Dioxan              | 100     | <span>●</span> |
| 2-Hydroxypropionic Acid | 90      | <span>●</span> |
| Acetic Acid             | 100     | <span>●</span> |
| Aceton                  | 100     | <span>●</span> |
| Ammoniak                | conc.   | <span>●</span> |
| Ammonium Chloride       | -       | <span>●</span> |
| Amyl Alcohol            | -       | <span>●</span> |
| Apple Juice             | -       | <span>●</span> |
| Bensen                  | -       | <span>●</span> |
| Bleaching Solution      | 12.5 cl | <span>●</span> |
| Boric Acid              | 100     | <span>●</span> |
| Brake Fluid             | -       | <span>●</span> |
| Bränsle (aromatfritt)   | -       | <span>●</span> |
| Butyl Acetate           | -       | <span>●</span> |
| Calcium Chloride        | -       | <span>●</span> |
| Carbon Disulfide        | 100     | <span>●</span> |
| Carbon Tetrachloride    | -       | <span>●</span> |
| Citric Acid             | 10      | <span>●</span> |
| Cyklohexanon            | 100     | <span>●</span> |
| Cyklohexen              | 100     | <span>●</span> |
| Diesel Fuel             | -       | <span>●</span> |
| Diethylene Oxide        | -       | <span>●</span> |
| Eddik (standard)        | 5 - 10  | <span>●</span> |
| Ethyl Acetate           | 100     | <span>●</span> |
| Ethyl Alcohol           | 96      | <span>●</span> |
| Ethylene Chloride       | 100     | <span>●</span> |
| Fenol (vattenl.)        | ca. 9   | <span>●</span> |
| Food Oil                | -       | <span>●</span> |
| Formaldehyd (vattenl.)  | 40      | <span>●</span> |
| Formic Acid             | 10      | <span>●</span> |
| Frost Protection Agent  | -       | <span>●</span> |
| Glycerin                | 100     | <span>●</span> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Glykol                           | 100       | ●        |
| Heating Oil                      | -         | ●        |
| Heptan                           | 100       | ●        |
| Hydrochloric Acid                | 10        | ●        |
| Hydrochloric Acid (concentrated) | conc.     | ●        |
| Hydrofluoric Acid                | 40        | ●        |
| Hydrogen Peroxide                | 10        | ●        |
| Hydrogen Sulfide (aqueous)       | -         | ●        |
| Isopropyl Alcohol                | 100       | ●        |
| Klor (gas)                       | 100       | ●        |
| Klorbensen                       | 100       | ●        |
| Kloroform                        | -         | ●        |
| Kresol                           | -         | ●        |
| Linseed Oil                      | -         | ●        |
| Melk                             | -         | ●        |
| Merkurokrom                      | -         | ●        |
| Methyl Alcohol                   | 100       | ●        |
| Methyl Ethyl Ketone (MEK)        | 100       | ●        |
| Methylene Chloride               | 100       | ●        |
| Mineral Oils (aromatic free)     | -         | ●        |
| Nitric Acid                      | 10        | ●        |
| Nitric Acid                      | 50        | ●        |
| Nitrobensen                      | -         | ●        |
| Oxalic Acid                      | -         | ●        |
| Ozone Gas                        | ≤ 0.5 ppm | ●        |
| Paraffine Oil                    | 100       | ●        |
| Perkloretylen                    | -         | ●        |
| Petroleum                        | 100       | ●        |
| Petroleum Ether                  | 100       | ●        |
| Phosphoric Acid                  | 50        | ●        |
| Potassium Hydroxide liquor       | 50        | ●        |
| Premium Fuel                     | -         | ●        |
| Propyl Alcohol                   | -         | ●        |
| Pyridin                          | -         | ●        |
| Silicone Oil                     | -         | ●        |

| Kemikalie                  | Konc. | Resultat |
|----------------------------|-------|----------|
| Sodium Carbonate (aqueous) | -     | ●        |
| Sodium Chloride (aqueous)  | -     | ●        |
| Sodium Hydrogen Sulfite    | -     | ●        |
| Sodium Hydroxide liquor    | 15    | ●        |
| Sodium Hydroxide liquor    | 60    | ●        |
| Sodium Nitrate (aqueous)   | -     | ●        |
| Sodium Thiosulfate         | -     | ●        |
| Sulfuric Acid              | 96    | ●        |
| Tetrahydrofuran (THF)      | 100   | ●        |
| Toluen                     | 100   | ●        |
| Transformer Oil            | -     | ●        |
| Trikloreten                | 100   | ●        |
| Vann                       | -     | ●        |
| Xylen                      | -     | ●        |