



PA6 E 32x1000 mm svart

Artikelnr P1000813  
Material PA

1. Tekniskt datablad

| Egenskap                               | Värde            | Enhet   | Standard       |
|----------------------------------------|------------------|---------|----------------|
| Tetthet                                | 1.14             | g/cm³   | ISO 1183       |
| StrekkgrenseSpenning                   | 70               | MPa     | DIN EN ISO 527 |
| Elastisitetsmodul (trek)               | 3250             | MPa     | ISO 527-2      |
| Brottspenning                          | 75               | MPa     | ISO 527-2      |
| Brottsdeformasjon                      | 40               | %       | ISO 527-2      |
| Smeltepunkt                            | 220              | °C      | ISO 3146       |
| Maksimal drifttemperatur (kortvarig)   | 160              | °C      |                |
| Maksimal driftstemperatur              | 90.5             | °C      |                |
| Minstemperatur                         | -36              | °C      |                |
| Varme-forvrengning (HDT/A)             | 70               | °C      | ISO 75-2       |
| Varme-forvrengning (HDT/B)             | 140              | °C      | ISO 75-2       |
| Vicat-mykningstemperatur (VST/B/50)    | 190              | °C      | ISO 306        |
| Dielektrisk Styrke                     | 25               | kV/mm   | IEC 60243-1    |
| VolumResistivitet                      | 10 <sup>12</sup> | Ω·cm    | IEC 60093      |
| Dielektrisk konstant (1 MHz)           | 3.7              | -       | IEC 60250      |
| Dielektrisk konstant (100 Hz)          | 3.9              | -       | IEC 60250      |
| Dielektrisk dissipasjonsfaktor (1 MHz) | 0.0              | -       | IEC 60250      |
| Dielektrisk tapfaktor (100 Hz)         | 0.0              | -       | IEC 60250      |
| Brannklasse (UL 94)                    | 3                |         | UL 94          |
| Bøyhållfasthet                         | 76               | MPa     | ISO 527-2      |
| Termisk konduktivitet                  | 0.28             | W/(m·K) | DIN 52612      |
| Overflatemotstand                      | 10 <sup>13</sup> | Ω       | IEC 60093      |
| Sammenligningskrypstrømsindeks (CTI)   | 600              | V       | IEC 60112      |
| Fuktabsorpsjon til metning             | 2.5              | %       | ISO 62         |
| Vannabsorpsjon til metning             | 9                | %       | ISO 62         |

| Egenskap                     | Värde | Enhet               | Standard       |
|------------------------------|-------|---------------------|----------------|
| Skåret slagfasthet (Charpy)  | 5.5   | kJ/m²               | ISO 179/1eA    |
| Termisk utvidelseskoefisient | 0.9   | 10 <sup>-4</sup> /K | ISO 11359      |
| Hardhet Shore D              | 82    | ° Shore D           | DIN EN ISO 868 |
| Kuletrykkshardhet            | 150   | 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> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
|                                  |           |          |
| Food Oil                         | -         | ●        |
| Formaldehyd (vattenl.)           | 40        | ●        |
| Formic Acid                      | 10        | ●        |
| Frost Protection Agent           | -         | ●        |
| Glycerin                         | 100       | ●        |
| 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       | ●        |

| Kemikalie                  | Konc. | Resultat    |
|----------------------------|-------|-------------|
| Phosphoric Acid            | 50    | <div></div> |
| Potassium Hydroxide liquor | 50    | <div></div> |
| Premium Fuel               | -     | <div></div> |
| Propyl Alcohol             | -     | <div></div> |
| Pyridin                    | -     | <div></div> |
| Silicone Oil               | -     | <div></div> |
| Sodium Carbonate (aqueous) | -     | <div></div> |
| Sodium Chloride (aqueous)  | -     | <div></div> |
| Sodium Hydrogen Sulfite    | -     | <div></div> |
| Sodium Hydroxide liquor    | 15    | <div></div> |
| Sodium Hydroxide liquor    | 60    | <div></div> |
| Sodium Nitrate (aqueous)   | -     | <div></div> |
| Sodium Thiosulfate         | -     | <div></div> |
| Sulfuric Acid              | 96    | <div></div> |
| Tetrahydrofuran (THF)      | 100   | <div></div> |
| Toluen                     | 100   | <div></div> |
| Transformer Oil            | -     | <div></div> |
| Trikloretan                | 100   | <div></div> |
| Vann                       | -     | <div></div> |
| Xylen                      | -     | <div></div> |