



# PA6 E 1000x1000x1,5 mm luonnollinen

Artikelnr P1001100

## 1. Tekniskt datablad

| Egenskap                                      | Värde | Enhet   | Standard       |
|-----------------------------------------------|-------|---------|----------------|
| Tiheys                                        | 1.14  | g/cm³   | ISO 1183       |
| Venymisrajan jännitys                         | 70    | MPa     | DIN EN ISO 527 |
| Joustavuusmoduli (vetolujuus)                 | 3250  | MPa     | ISO 527-2      |
| Murtolujuus                                   | 75    | MPa     | ISO 527-2      |
| Murtovenymä                                   | 40    | %       | ISO 527-2      |
| Sulamispiste                                  | 220   | °C      | ISO 3146       |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 160   | °C      |                |
| Maksimi käyttölämpötila                       | 90.5  | °C      |                |
| Alin lämpötila                                | -36   | °C      |                |
| Lämpötilaköyry (HDT/A)                        | 70    | °C      | ISO 75-2       |
| Lämpötilaköyry (HDT/B)                        | 140   | °C      | ISO 75-2       |
| Vicat-pehmenemislämpötila (VST/B/50)          | 190   | °C      | ISO 306        |
| Dielektrinen voimakkuus                       | 25    | kV/mm   | IEC 60243-1    |
| Tilavuusresistanssi                           | 10¹²  | Ω·cm    | IEC 60093      |
| Dielektrinen vakio (1 MHz)                    | 3.7   | -       | IEC 60250      |
| Dielektrinen vakio (100 Hz)                   | 3.9   | -       | IEC 60250      |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0   | -       | IEC 60250      |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0   | -       | IEC 60250      |
| Paloaluokitus (UL 94)                         | 3     |         | UL 94          |
| Taivutuslujuus                                | 76    | MPa     | ISO 527-2      |
| Lämpöjohtavuus                                | 0.28  | W/(m·K) | DIN 52612      |
| Pintaresistanssi                              | 10¹²  | Ω       | IEC 60093      |
| Vertailukemisindeksi (CTI)                    | 600   | V       | IEC 60112      |
| Imeytymisen maksimointi                       | 2.5   | %       | ISO 62         |
| Vesihaku kyllästymiseen                       | 9     | %       | ISO 62         |
| Särkyäkesto (Charpy)                          | 5.5   | kJ/m²   | ISO 179/1eA    |
| Lämpölaajenemiskerroin                        | 0.9   | 10⁻⁵ /K | ISO 11359      |

| Egenskap            | V rde | Enhet     | Standard       |
|---------------------|-------|-----------|----------------|
| Kovuus Shore D      | 82    |   Shore D | DIN EN ISO 868 |
| Kulmapaineen kovuus | 150   | MPa       | ISO 2039-1     |

2. Kemisk best ndighet

● Best ndig ● Delvis best ndig ● Ej best ndig

| Kemikalie               | Konc.   | Resultat |
|-------------------------|---------|----------|
| 1,4-Dioxane             | 100     | ●        |
| 2-Hydroxypropionic Acid | 90      | ●        |
| Acetic Acid             | 100     | ●        |
| Acetone                 | 100     | ●        |
| Ammonia                 | conc.   | ●        |
| Ammonium Chloride       |         | ●        |
| Amyl Alcohol            |         | ●        |
| Apple Juice             |         | ●        |
| Benzene                 |         | ●        |
| Bleaching Solution      | 12.5 cl | ●        |
| Boric Acid              | 100     | ●        |
| Brake Fluid             |         | ●        |
| Butyl Acetate           |         | ●        |
| Calcium Chloride        |         |          |
| Carbon Disulfide        | 100     |          |
| Carbon Tetrachloride    |         |          |
| Chlorine (gas)          | 100     |          |
| Chlorobenzene           | 100     |          |
| Chloroform              |         |          |
| Citric Acid             | 10      |          |
| Cresol                  |         |          |
| Cyclohexanone           | 100     |          |
| Cyclohexene             | 100     |          |
| Diesel Fuel             |         |          |
| Diethylene Oxide        |         |          |
| Ethyl Acetate           | 100     |          |
| Ethyl Alcohol           | 96      |          |

| Kemikalie                        | Konc.       | Resultat    |
|----------------------------------|-------------|-------------|
| 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> |
| 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                      | 50          | <div></div> |
| Nitric Acid                      | 10          | <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> |

| Kemikalie                  | Konc.  | Resultat |
|----------------------------|--------|----------|
| Premium Fuel               | â€”    | ●        |
| Propyl Alcohol             | â€”    | ●        |
| Pyridine                   | â€”    | ●        |
| Silicone Oil               | â€”    | ●        |
| Sodium Carbonate (aqueous) | â€”    | ●        |
| Sodium Chloride (aqueous)  | â€”    | ●        |
| Sodium Hydrogen Sulfite    | â€”    | ●        |
| Sodium Hydroxide liquor    | 15     | ●        |
| Sodium Hydroxide liquor    | 60     | ●        |
| 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€”    | ●        |