



# PA12 60x3000 mm luonnollinen

Artikelnr P1000342  
Material PA

## 1. Tekniskt datablad

| Egenskap                                      | Värde             | Enhet               | Standard         |
|-----------------------------------------------|-------------------|---------------------|------------------|
| Tiheys                                        | 1.04              | g/cm³               |                  |
| Venymisrajan jännitys                         | 66                | MPa                 | ISO 527          |
| Joustavuusmoduli (vetolujuus)                 | 1470              | MPa                 | ISO 527          |
| Murtolujuus                                   | 45                | MPa                 | ISO 527          |
| Murtovenymä                                   | 50                | %                   | ISO 527          |
| Sulamispiste                                  | 180               | °C                  | DIN EN ISO 11357 |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 133               | °C                  | UL746B           |
| Maksimi käyttölämpötila                       | 110               | °C                  |                  |
| Lämpökäyrä (HDT/A)                            | 115               | °C                  | ISO 75           |
| Lämpökäyrä (HDT/B)                            | 135               | °C                  | ISO 75           |
| Vicat-pehmenemislämpötila (VST/B/50)          | 50                | °C                  | ISO 306          |
| Dielektrinen voimakkuus                       | 34                | kV/mm               | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>11</sup>  | Ω                   | IEC 60093        |
| Dielektrinen vakio (1 MHz)                    | 1                 | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 1                 | -                   | IEC 60250        |
| Paloaluokitus (UL 94)                         | 60695             |                     | UL 94            |
| Taivutuslujuus                                | 53                | MPa                 | DIN EN ISO 527-2 |
| Pintaresistanssi                              | ~10 <sup>13</sup> | Ω                   | IEC 60093        |
| Vertailukulkemisindeksi (CTI)                 | 600               | V                   | IEC 60112        |
| Imeytymisen maksimointi                       | 3                 | %                   | ISO 62           |
| Vesihaku kyllästymiseen                       | 3                 | %                   | ISO 62           |
| Särkyäkesto (Charpy)                          | 7                 | kJ/m²               | DIN EN ISO 179-1 |
| Lämpölaajenemiskerroin                        | 0.9               | 10 <sup>-4</sup> /K | ISO 11359        |
| Kovuus Shore D                                | 83                | ° Shore D           | ISO 868          |

| Egenskap            | Värde | Enhet | Standard |
|---------------------|-------|-------|----------|
| Kulmapaineen kovuus | 90    | MPa   | ISO 2039 |

2. Kemisk beständighet

● Beständig    ● Delvis beständig    ● Ej beständig

| Kemikalie                             | Konc.   | Resultat       |
|---------------------------------------|---------|----------------|
| 1,4-Dioxane                           | 100     | <span>●</span> |
| 2-Hydroxypropionic acid (lactic acid) | 90      | <span>●</span> |
| Acetone                               | 100     | <span>●</span> |
| Ammonia                               | conc.   | <span>●</span> |
| Ammonium chloride                     | -       | <span>●</span> |
| Amyl alcohol                          | -       | <span>●</span> |
| Apple juice                           | -       | <span>●</span> |
| Benzene                               | -       | <span>●</span> |
| Bleaching solution                    | 12.5 cl | <span>●</span> |
| Boric acid                            | 100     | <span>●</span> |
| Brake fluid                           | -       | <span>●</span> |
| Butyl acetate                         | -       | <span>●</span> |
| Calcium chloride                      | -       | <span>●</span> |
| Carbon disulphide                     | 100     | <span>●</span> |
| Carbon tetrachloride                  | -       | <span>●</span> |
| Chlorine (gas)                        | 100     | <span>●</span> |
| Chlorobenzene                         | 100     | <span>●</span> |
| Chloroform                            | -       | <span>●</span> |
| Citric acid                           | 10      | <span>●</span> |
| Cresol                                | -       | <span>●</span> |
| Cyclohexanone                         | 100     | <span>●</span> |
| Cyclohexene                           | 100     | <span>●</span> |
| Diesel                                | -       | <span>●</span> |
| Diethylene oxide                      | -       | <span>●</span> |
| Ethyl acetate                         | 100     | <span>●</span> |
| Ethyl alcohol (ethanol)               | 96      | <span>●</span> |
| Ethylene chloride                     | 100     | <span>●</span> |
| Food oil                              | -       | <span>●</span> |
| Formaldehyde (aqueous)                | 40      | <span>●</span> |
| Formic acid                           | 10      | <span>●</span> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Fuel (aromatic free)             | -         | ●        |
| Fuel oil                         | -         | ●        |
| Glycerine                        | 100       | ●        |
| Glycol                           | 100       | ●        |
| Heptane                          | 100       | ●        |
| Hydrochloric acid                | 10        | ●        |
| Hydrochloric acid (concentrated) | conc.     | ●        |
| Hydrofluoric acid                | 40        | ●        |
| Hydrogen peroxide                | 10        | ●        |
| Hydrogen sulfide (aqueous)       | -         | ●        |
| Isopropyl alcohol                | 100       | ●        |
| Linseed oil                      | -         | ●        |
| Mercurochrome                    | -         | ●        |
| Methyl alcohol (methanol)        | 100       | ●        |
| Methyl ethyl ketone (MEK)        | 100       | ●        |
| Methylene chloride               | 100       | ●        |
| Milk                             | -         | ●        |
| Mineral oils (aromatic free)     | -         | ●        |
| Nitric acid                      | 50        | ●        |
| Nitric acid                      | 10        | ●        |
| Nitrobenzene                     | -         | ●        |
| Oxalic acid                      | -         | ●        |
| Ozone (gas)                      | ≤ 0.5 ppm | ●        |
| Paraffin oil                     | 100       | ●        |
| Perchloroethylene                | -         | ●        |
| Petroleum                        | 100       | ●        |
| Petroleum ether                  | 100       | ●        |
| Phenol (aqueous)                 | ca. 9     | ●        |
| Phosphoric acid                  | 50        | ●        |
| Potassium hydroxide solution     | 50        | ●        |
| Premium fuel                     | -         | ●        |
| Propyl alcohol                   | -         | ●        |
| Pyridine                         | -         | ●        |
| Silicone oil                     | -         | ●        |

| Kemikalie                                | Konc.  | Resultat |
|------------------------------------------|--------|----------|
| Sodium carbonate (aqueous)               | -      | ●        |
| Sodium chloride (aqueous)                | -      | ●        |
| Sodium hydroxide solution (caustic soda) | 15     | ●        |
| Sodium nitrate (aqueous)                 | -      | ●        |
| Sodium thiosulfate                       | -      | ●        |
| Sulphuric acid                           | 96     | ●        |
| Tetrahydrofuran (THF)                    | 100    | ●        |
| Toluene                                  | 100    | ●        |
| Transformer oil                          | -      | ●        |
| Trichloroethylene                        | 100    | ●        |
| Vinegar (standard)                       | 5 - 10 | ●        |
| Water                                    | -      | ●        |
| Xylene                                   | -      | ●        |