



# PA12 3000x500x10 mm luonnollinen

Artikelnr P1000532

## 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                  |                  |
| Lämpökestävyys (HDT/A)                        | 115               | °C                  | ISO 75           |
| Lämpökestävyys (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>-1</sup>  | g/l                 | 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>-1</sup> | Î©                  | 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>-6</sup> /K | ISO 11359        |
| Kovuus Shore D                                | 83                | ° Shore D           | ISO 868          |
| Kulmapaineen kovuus                           | 90                | MPa                 | ISO 2039         |

## 2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

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

| Kemikalie                                | Konc.       | Resultat    |
|------------------------------------------|-------------|-------------|
| Glycol                                   | 100         | <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 (methanol)                | 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> |
| Paraffin 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 solution             | 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 hydroxide solution (caustic soda) | 15          | <div></div> |
| Sodium nitrate (aqueous)                 | â€”         | <div></div> |

| Kemikalie             | Konc.  | Resultat    |
|-----------------------|--------|-------------|
| Sodium thiosulfate    | â€”    | <div></div> |
| Sulphuric acid        | 96     | <div></div> |
| Tetrahydrofuran (THF) | 100    | <div></div> |
| Toluene               | 100    | <div></div> |
| Transformer oil       | â€”    | <div></div> |
| Trichloroethylene     | 100    | <div></div> |
| Vinegar (standard)    | 5 - 10 | <div></div> |
| Water                 | â€”    | <div></div> |
| Xylene                | â€”    | <div></div> |