



# PVDF 1000x500x50 mm luonnollinen

Artikelnr P1010713

## 1. Tekniskt datablad

| Egenskap                                      | Värde             | Enhet               | Standard    |
|-----------------------------------------------|-------------------|---------------------|-------------|
| Tiheys                                        | 1.78              | g/cm³               | ISO1183     |
| Venymisrajan jännitys                         | 40                | MPa                 | ISO 527     |
| Joustavuusmoduli (vetolujuus)                 | 2200              | MPa                 | ISO527-2    |
| Murtolujuus                                   | 46                | MPa                 | ISO 527     |
| Murtovenymä                                   | 17                | %                   | ISO527-2    |
| Sulamispiste                                  | 171               | °C                  | ISO11357    |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 142               | °C                  | UL746B      |
| Maksimi käyttölämpötila                       | 130               | °C                  | UL746B      |
| Alin lämpötila                                | -26               | °C                  |             |
| Lämpötilakertoja (HDT/A)                      | 104               | °C                  | ISO 75      |
| Lämpötilakertoja (HDT/B)                      | 145               | °C                  | ISO 75      |
| Vicat-pehmenemislämpötila (VST/B/50)          | 138               | °C                  | ISO 306     |
| Dielektrinen voimakkuus                       | 27                | kV/mm               | IEC 60243-1 |
| Tilavuusresistanssi                           | 10 <sup>-14</sup> | Ω·cm                | IEC 60093   |
| Dielektrinen vakio (1 MHz)                    | 7.7               | -                   | IEC 60250   |
| Dielektrinen hajaamiskerroin (1 MHz)          | 0.1               | -                   | IEC 60250   |
| Taivutuslujuus                                | 62                | MPa                 | ISO527-2    |
| Lämpöjohtavuus                                | 0.25              | W/(m·K)             | DIN22007-4  |
| Pintaresistanssi                              | 10 <sup>-11</sup> | Ω                   | IEC60093    |
| Vertailukemisindeksi (CTI)                    | 600               | V                   | IEC 60112   |
| Imeytymisen maksimointi                       | 0.15              | %                   | ISO62       |
| Vesihaku kylästymiseen                        | 0.35              | %                   | ISO62       |
| Särkykesto (Charpy)                           | 8                 | kJ/m²               | ISO 179     |
| Iskunkestävyys (Charpy)                       | 150               | kJ/m²               | ISO179/1eU  |
| Lämpölaajenemiskerroin                        | 1.6               | 10 <sup>-6</sup> /K | ISO11359    |
| Kovuus Shore D                                | 80                | ° Shore D           | ISO868      |
| Kulmapaineen kovuus                           | 120               | MPa                 | ISO 2039    |

| Egenskap | V rde | Enhet | Standard |
|----------|-------|-------|----------|
|----------|-------|-------|----------|

## 2. Kemisk best ndighet

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

| Kemikalie                             | Konc. | Resultat       |
|---------------------------------------|-------|----------------|
| 1,4-Dioxane                           | 100   | <span>●</span> |
| 2-Hydroxypropionic acid (lactic acid) | 90    | <span>●</span> |
| Acetic acid                           | 100   | <span>●</span> |
| Acetone                               | 100   | <span>●</span> |
| Ammonia                               |       | <span>●</span> |
| Ammonium chloride                     |       | <span>●</span> |
| Amyl alcohol                          |       | <span>●</span> |
| Apple juice                           |       | <span>●</span> |
| Benzene                               |       | <span>●</span> |
| Bleaching solution                    |       | <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> |

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

| Kemikalie                                | Konc.  | Resultat |
|------------------------------------------|--------|----------|
| Silicone oil                             | â€”    | ●        |
| Sodium carbonate (aqueous)               | â€”    | ●        |
| Sodium chloride (aqueous)                | â€”    | ●        |
| Sodium hydrogen sulfite                  | â€”    | ●        |
| Sodium hydroxide solution (60%)          | 60     | ●        |
| Sodium hydroxide solution (caustic soda) | 15     | ●        |
| Sodium nitrate (aqueous)                 | â€”    | ●        |
| Sodium thiosulfate                       | â€”    | ●        |
| Sulphuric acid                           | 96     | ●        |
| Tetrahydrofuran (THF)                    | 100    | ●        |
| Toluene                                  | 100    | ●        |
| Transformer oil                          | â€”    | ●        |
| Trichloroethylene                        | 100    | ●        |
| Vinegar (standard)                       | 5 - 10 | ●        |
| Water                                    | â€”    | ●        |
| Xylene                                   | â€”    | ●        |