



## PVDF 10x1000 mm musta

Tuotenro P1010500

## 1. Tekninen tietolomake

| Ominaisuus                                    | Arvo             | Yksikkö             | Testausstandardi |
|-----------------------------------------------|------------------|---------------------|------------------|
| Tiheys                                        | 1.78             | g/cm <sup>3</sup>   | ISO1183          |
| Imeytymisen maksimointi                       | 0.15             | %                   | ISO62            |
| Vesihaku kyllästymiseen                       | 0.35             | %                   | ISO62            |
| Venymisrajan jännitys                         | 40               | MPa                 | ISO 527          |
| Joustavuusmoduli (vetolujuus)                 | 2200             | MPa                 | ISO527-2         |
| Murtolujuus                                   | 46               | MPa                 | ISO 527          |
| Murtovenymä                                   | 17               | %                   | ISO527-2         |
| Taivutuslujuus                                | 62               | MPa                 | ISO527-2         |
| Särkyäkesto (Charpy)                          | 8                | kJ/m <sup>2</sup>   | ISO 179          |
| Iskunkestävyys (Charpy)                       | 150              | kJ/m <sup>2</sup>   | ISO179/1eU       |
| Kovuus Shore D                                | 80               | ° Shore D           | ISO868           |
| Kulmapaineen kovuus                           | 120              | MPa                 | ISO 2039         |
| Sulamispiste                                  | 171              | °C                  | ISO11357         |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 142              | °C                  | UL746B           |
| Maksimi käyttölämpötila                       | 130              | °C                  | UL746B           |
| Alin lämpötila                                | -26              | °C                  |                  |
| Lämpökäyrä (HDT/A)                            | 104              | °C                  | ISO 75           |
| Lämpökäyrä (HDT/B)                            | 145              | °C                  | ISO 75           |
| Vicat-pehmenemislämpötila (VST/B/50)          | 138              | °C                  | ISO 306          |
| Lämmönjohtavuus                               | 0.25             | W/(m·K)             | DIN22007-4       |
| Lämpölaajenemiskerroin                        | 1.6              | 10 <sup>-4</sup> /K | ISO11359         |
| Dielektrinen voimakkuus                       | 27               | kV/mm               | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>13</sup> | Ω·cm                | IEC 60093        |
| Dielektrinen vakio (1 MHz)                    | 7.7              | -                   | IEC 60250        |



| Kemikaali                        | Pitoisuus | Kestäv. |
|----------------------------------|-----------|---------|
| Ethyl acetate                    | 100       | ●       |
| Ethyl alcohol (ethanol)          | 96        | ●       |
| Ethylene chloride                | 100       | ●       |
| Food oil                         | —         | ●       |
| Formaldehyde (aqueous)           | 40        | ●       |
| Formic acid                      | 10        | ●       |
| Frost protection agent           | —         | ●       |
| Fuel oil                         | —         | ●       |
| Fuel, aromatic free              | —         | ●       |
| Glycerine                        | 100       | ●       |
| Glycol                           | 100       | ●       |
| Heptane                          | 100       | ●       |
| Hydrochloric acid                | 10        | ●       |
| Hydrochloric acid (concentrated) | —         | ●       |
| 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                      | 10        | ●       |
| Nitric acid (50%)                | 50        | ●       |
| Nitrobenzene                     | —         | ●       |
| Oxalic acid                      | —         | ●       |
| Ozone (gas)                      | ≤ 0.5 ppm | ●       |
| Paraffin oil                     | 100       | ●       |
| Perchloroethylene                | —         | ●       |

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| Kemikaali                                | Pitoisuus | Kestäv. |
|------------------------------------------|-----------|---------|
| Petroleum                                | 100       | ●       |
| Phenol (aqueous)                         | ca. 9     | ●       |
| Phosphoric acid                          | 50        | ●       |
| Potassium hydroxide solution             | 50        | ●       |
| Premium fuel                             | —         | ●       |
| Propyl alcohol                           | —         | ●       |
| Pyridine                                 | —         | ●       |
| Silicone oil                             | —         | ●       |
| Sodium carbonate (aqueous)               | —         | ●       |
| Sodium chloride (aqueous)                | —         | ●       |
| Sodium hydrogen sulfite                  | —         | ●       |
| Sodium hydroxide solution (60%)          | 60        | ●       |
| 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                                   | —         | ●       |