

# PVDF 1000x500x45 mm natural

Artikelnr P1010712

## 1. Tekniskt datablad

| Egenskap                                      | Värde | Enhet     | Standard    |
|-----------------------------------------------|-------|-----------|-------------|
| Densidad                                      | 1.78  | g/cm³     | ISO1183     |
| Límite de resistencia a la tracción           | 40    | MPa       | ISO 527     |
| Módulo de elasticidad (tracción)              | 2200  | MPa       | ISO527-2    |
| Resistencia a la tensión                      | 46    | MPa       | ISO 527     |
| Deformación a la rotura                       | 17    | %         | ISO527-2    |
| Punto de fusión                               | 171   | °C        | ISO11357    |
| Temperatura de servicio máxima (corto plazo)  | 142   | °C        | UL746B      |
| Temperatura de funcionamiento máxima          | 130   | °C        | UL746B      |
| Temperatura mínima                            | -26   | °C        |             |
| Deformación térmica (HDT/A)                   | 104   | °C        | ISO 75      |
| Deformación térmica (HDT/B)                   | 145   | °C        | ISO 75      |
| Temperatura de ablandamiento Vicat (VST/B/50) | 138   | °C        | ISO 306     |
| Fuerza dieléctrica                            | 27    | kV/mm     | IEC 60243-1 |
| Resistividad volumétrica                      | 10¹¹  | Ω·cm      | IEC 60093   |
| Constante dieléctrica (1 MHz)                 | 7.7   | -         | IEC 60250   |
| Factor de pérdida dieléctrica (1 MHz)         | 0.1   | -         | IEC 60250   |
| Resistencia a la flexión                      | 62    | MPa       | ISO527-2    |
| Conductividad térmica                         | 0.25  | W/(m·K)   | DIN22007-4  |
| Resistencia superficial                       | 10¹¹  | Ω         | IEC60093    |
| Índice de seguimiento comparativo (CTI)       | 600   | V         | IEC 60112   |
| Absorción de agua hasta la saturación         | 0.15  | %         | ISO62       |
| Absorción de agua hasta la saturación         | 0.35  | %         | ISO62       |
| Resistencia al impacto con entalla (Charpy)   | 8     | kJ/m²     | ISO 179     |
| Resistencia al impacto (Charpy)               | 150   | kJ/m²     | ISO179/1eU  |
| Coefficiente de expansión térmica             | 1.6   | 10⁻⁵/K    | ISO11359    |
| Dureza Shore D                                | 80    | ° Shore D | ISO868      |

| Egenskap                    | V rde | Enhet | Standard |
|-----------------------------|-------|-------|----------|
| Dureza a la presi n de bala | 120   | MPa   | ISO 2039 |

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€”    | ●        |