

# PVDF 28x3000 mm luonnollinen

Artikelnr P1010616

Material PVDF

## 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheys	<b>1.78</b>	g/cm <sup>3</sup>	ISO1183
Venymisrajan jännitys	<b>40</b>	MPa	ISO 527
Joustavuusmoduli (vetolujuus)	<b>2200</b>	MPa	ISO527-2
Murtolujuus	<b>46</b>	MPa	ISO 527
Murtovenymä	<b>17</b>	%	ISO527-2
Sulamispiste	<b>171</b>	°C	ISO11357
Maksimaalinen käyttölämpötila (lyhytaikainen)	<b>142</b>	°C	UL746B
Maksimi käyttölämpötila	<b>130</b>	°C	UL746B
Alin lämpötila	<b>-26</b>	°C	
Lämpökäyrä (HDT/A)	<b>104</b>	°C	ISO 75
Lämpökäyrä (HDT/B)	<b>145</b>	°C	ISO 75
Vicat-pehmenemislämpötila (VST/B/50)	<b>138</b>	°C	ISO 306
Dielektrinen voimakkuus	<b>27</b>	kV/mm	IEC 60243-1
Tilavuusresistanssi	<b>10<sup>13</sup></b>	Ω·cm	IEC 60093
Dielektrinen vakio (1 MHz)	<b>7.7</b>	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	<b>0.1</b>	-	IEC 60250
Taivutuslujuus	<b>62</b>	MPa	ISO527-2
Lämmönjohtavuus	<b>0.25</b>	W/(m·K)	DIN22007-4
Pintaresistanssi	<b>10<sup>14</sup></b>	Ω	IEC60093
Vertailukulkemisindeksi (CTI)	<b>600</b>	V	IEC 60112
Imeytymisen maksimointi	<b>0.15</b>	%	ISO62
Vesihaku kyllästymiseen	<b>0.35</b>	%	ISO62
Särkyäkesto (Charpy)	<b>8</b>	kJ/m <sup>2</sup>	ISO 179
Iskunkestävyys (Charpy)	<b>150</b>	kJ/m <sup>2</sup>	ISO179/1eU

Egenskap	Värde	Enhet	Standard
Lämpölaajenemiskerroin	<b>1.6</b>	10 <sup>-4</sup> /K	ISO11359
Kovuus Shore D	<b>80</b>	° Shore D	ISO868
Kulmapaineen kovuus	<b>120</b>	MPa	ISO 2039

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100	<span style="color: orange;">●</span>
2-Hydroxypropionic acid (lactic acid)	90	<span style="color: green;">●</span>
Acetic acid	100	<span style="color: green;">●</span>
Acetone	100	<span style="color: green;">●</span>
Ammonia	-	<span style="color: green;">●</span>
Ammonium chloride	-	<span style="color: green;">●</span>
Amyl alcohol	-	<span style="color: green;">●</span>
Apple juice	-	<span style="color: green;">●</span>
Benzene	-	<span style="color: green;">●</span>
Bleaching solution	-	<span style="color: orange;">●</span>
Boric acid	100	<span style="color: green;">●</span>
Brake fluid	-	<span style="color: green;">●</span>
Butyl acetate	-	<span style="color: green;">●</span>
Calcium chloride	-	<span style="color: green;">●</span>
Carbon disulphide	100	<span style="color: green;">●</span>
Carbon tetrachloride	-	<span style="color: green;">●</span>
Chlorine (gas)	100	<span style="color: green;">●</span>
Chlorobenzene	100	<span style="color: green;">●</span>
Chloroform	-	<span style="color: green;">●</span>
Citric acid	10	<span style="color: green;">●</span>
Cresol	-	<span style="color: green;">●</span>
Cyclohexanone	100	<span style="color: green;">●</span>
Cyclohexene	100	<span style="color: green;">●</span>
Diesel	-	<span style="color: green;">●</span>
Diethylene oxide	-	<span style="color: green;">●</span>
Ethyl acetate	100	<span style="color: green;">●</span>
Ethyl alcohol (ethanol)	96	<span style="color: green;">●</span>

Kemikalie	Konc.	Resultat
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	-	●
Petroleum	100	●
Phenol (aqueous)	ca. 9	●
Phosphoric acid	50	●
Potassium hydroxide solution	50	●
Premium fuel	-	●

Kemikalie	Konc.	Resultat
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	-	●