



## PVDF 2000x1000x30 mm natural pressed

Article No.	P2202608
Category	PVDF

### Technical Properties

#### Density & Weight

Property	Value	Unit	Test standard
Density	1.78	g/cm <sup>3</sup>	ISO1183

#### Moisture Absorption

Property	Value	Unit	Test standard
Water absorption to saturation	0.15	%	ISO62
Water Absorption to Saturation	0.35	%	ISO62

#### Tensile Properties

Property	Value	Unit	Test standard
Tensile Strength	40	MPa	ISO 527
Modulus of elasticity (tensile)	2200	MPa	ISO527-2
Breakdown Voltage	46	MPa	ISO 527
Break Elongation	17	%	ISO527-2

#### Flexural Properties

Property	Value	Unit	Test standard
Flexural Strength	62	MPa	ISO527-2

#### Impact Resistance

Property	Value	Unit	Test standard
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Property	Value	Unit	Test standard
Notched impact strength (Charpy)	8	kJ/m <sup>2</sup>	ISO 179
Impact Resistance (Charpy)	150	kJ/m <sup>2</sup>	ISO179/1eU

### Hardness

Property	Value	Unit	Test standard
Hardness Shore D	80	° Shore D	ISO868
Ball pressure hardness	120	MPa	ISO 2039

### Temperature Limits

Property	Value	Unit	Test standard
Melting point	171	°C	ISO11357
Maximal operating temperature (short-term)	142	°C	UL746B
Maximum Operating Temperature	130	°C	UL746B
Minimum temperature	-26	°C	
Heat deflection temperature (HDT/A)	104	°C	ISO 75
Heat deflection temperature (HDT/B)	145	°C	ISO 75
Vicat softening temperature (VST/B/50)	138	°C	ISO 306

### Thermal Conductivity

Property	Value	Unit	Test standard
Thermal Conductivity	0.25	W/(m·K)	DIN22007-4

### Thermal Expansion

Property	Value	Unit	Test standard
Thermal Expansion Coefficient	1.6	10 <sup>-4</sup> /K	ISO11359

### Insulation Properties

Property	Value	Unit	Test standard
Dielectric Strength	27	kV/mm	IEC 60243-1
Volume Resistivity	10 <sup>13</sup>	Ω·cm	IEC 60093
Dielectric Constant (1 MHz)	7.7	-	IEC 60250
Dielectric loss factor (1 MHz)	0.1	-	IEC 60250

### Static spread

Property	Value	Unit	Test standard
Surface Resistivity	10 <sup>14</sup>	Ω	IEC60093
Comparative Tracking Index (CTI)	600	V	IEC 60112