

DATASHEET – PVDF

SOLEF® , KYNAR®

KEY POINTS

- Resistant to solvents, acids and bases
- Lower density compared to PTFE
- Chemical resistance at high temperatures
- Electrochemical stability

PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	DIN EN ISO 527	50	MPa
Elongation at break	DIN EN ISO 527	20-300	%
Hardness – Shore D	ISO 868	72-80	Scale D
Hardness – Rockwell M	ISO 2039	M 78	MPa
Impact strength, notched izod	D 256	160	kJ/m ²
Melt temp	ISO 527	169	°C
Service temp. range	/	-60 up to 150	°C
Specific density	ISO 1183-1	1.78	g/cm ³
Water absorption (24hr)	ISO 62	< 0.04	%

APPLICATIONS

- Aerospace
- Piping
- Nuclear waste handling
- Petrochemicals
- Semiconductors
- Medical and defence industries
- Li-ion batteries
- ...



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The data above are provided purely for information and are presented as a guide to choose from our range of materials. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. The actual values of the properties of a particular product may differ from the indicated values. Since the properties also depend on the dimension of the finished product.

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