

technical plastic: Polyvinylidenfluorid (PVDF)

application

Plant and apparatus engineering |
Pipeline construction

properties

best chemical properties of all unfilled fluoroplastics
| very good machinability | good weldability |
high thermal load capacity

storage

dry | temperatures in the plus range

processing

Warm up plastic before machining to avoid chipping
during machining | Machining should be carried out
with sharp tools at a high cutting speed and low
feed rate | Heat is dissipated via the chip | Liquid
cooling only with pure water!

welding

Plastics are weldable according to DIN 1910 Part 3
Attention - Welded joints should not be exposed to
extreme loads!

deep drawing/ deep pressing

Plastics can be deep-drawn and
thermoforming and deep pressing using suitable
processing methods.

product range

We offer the above-mentioned plastics as
semi-finished products in various dimensions and
thicknesses as sheets | solid rods



properties	values
quality	PVDF
colour	natur
hardness (Shore D) DIN EN ISO 868 (15 s)	78
gravity (g/cm ³) DIN EN ISO 1183	1,78
tension at yield (MPa) DIN EN ISO 527	55
elongation at yield stress (%) DIN EN ISO 527	8
impact strength (kJ/m ²) DIN EN ISO 179	without breakage
notch impact strength Charpy (kJ/m ²) DIN EN ISO 179-1eA	12
dielectric strength (kV/mm) DIN IEC 60243-1	25
ball indentation hardness (MPa) DIN EN ISO 2039-1	120
spec. surface resistance (Ohm) DIN IEC 60093	≥ 10 ¹³
fire behaviour DIN 4102	B1 flame retardant (assessment without test certificate)
temperature range (C°)	-30 ~ +140

The material complies with the requirements of the
FDA regulations, U.S. FDA 21 CFR 177.2510 and (EU)
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Wir weisen darauf hin, dass die individuellen Einsatzbedingungen Einfluss auf die Eigenschaften jedes einzelnen Produktes nehmen. Aus diesem Grund ist der Kunde verpflichtet, die Materialien einer Eignungsprüfung zu unterziehen. Der Einsatz unserer Materialien erfolgt ausschließlich im Verantwortungsbereich des Anwenders.

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