PVDF

Polyvinylidene fluoride

DESIGNATION	CHEMICAL NAME	TYPE
PVDF	Polyvinylidene fluoride	Thermoplastic

General description

The material has very good mechanical properties and withstands high temperatures (up to 150 °C).
It also has excellent chemical resistance and good UV resistance.

Processing

PVDF is available as semi-finished products in the form of sheets, rods, hollow rods and pipes/pipe fittings.
The material has good machining properties and can be thermoformed and welded.

Applications

Machined mechanical parts exposed to high mechanical, chemical and/or thermal stress.
Tanks and pipe systems in the chemical industry.

Special features

Temperature resistance combined with mechanical strength and chemical resistance.
Food contact approval for certain types/products.

Properties

PROPERTY	STANDARD	UNIT	VALUE
Density	DIN 53479	g/cm^3	1.78
Tensile strength	DIN 53455	N/mm^2	55
Impact strength at 23 °C	DIN 53453	kJ/m^2	No break
Modulus of elasticity	DIN 53457	N/mm^2	2000
Elongation at break	DIN 53455	%	20
Service temperature, continuous	-	°C	-50/+150
Thermal expansion	ASTM D 896	mm/m/°C	0.12
Flammability	UL 94		V0

All information and guidelines are based on generally recognised technical handbooks and are given to the best of our knowledge and in good faith, without liability for any errors.

Opido Plast AB
Industrigatan 7, 341 50 Lagan, Sweden · Part of SP Group
+46 372-668 50 · info@opido.se
opido.se