CENTROFLON

PVDF

High acid and chemical resistance

Polyvinylidene-fluorides are semi-fluoride thermo-plastics, in which the standard hydrogen atoms of carbon mainchain are partially (57%) replaced by fluorine atoms. PVDF-plastics combine excellent mechanical, thermal and electrical characteristics with outstanding chemical resistance. Based on their versatile possibilities of use in different temperature ranges, polyvinylide fluorides are often used in med ical technology.

MATERIAL PROPERTIES

Water absorption:	less good
Strength, Hardness, Toughness:	good
Temperature for usage in air:	very good
Dimensional stability, Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

PRODUCT INFORMATION

Designation:	Polyvinylidene fluoride
Other names:	–
Abbreviation ISO 1043:	PVDF
CAS-Number:	24937-79-9
Type of polymer:	Thermoplastic
Molecular Shapeula:	C2H2F2

FIELD OF APPLICATION

- Flanges
- Valve bodies

MODIFICATIONS

- **PVDF**