




CENTROFLON / PVDF

Product information	
Trade name:	CENTROFLON
Abbreviation ISO 1043:	PVDF
Designation:	Polyvinylidene fluoride
Type of polymer:	Thermoplastic
Food compliance BfR:	Yes
Food compliance FDA:	Yes
Colour:	Natural

Short description
<p>PVDF is a semi-crystalline thermoplastic, which is characterized by its high resistance to stress cracking, chemical stability and dimensional stability. The very low absorbency of water allows unlimited use in liquids. PVDF is applicable within a temperature range from -40 to + 160 °C. The BfR-/FDA approval assures physiological safety. Often, PVDF-plastics are used as pump covers, flanges or valve bodies. PVDF is available in the colour natural.</p>

Properties		
➤ Density:	1.78 g/cm ³	ISO 1183
➤ Tensile modulus of elasticity:	2,000 MPa	ISO 527-2
➤ Specific surface resistance:	10 ¹³ Ohm	IEC 60093
➤ Temperature for usage in air (max. short term):	160 °C	

Field of use	Field of application
➤ Automotive industry	➤ Flanges
➤ Electrical industry	➤ Laboratory equipment
➤ Mechanical engineering	➤ Pump covers
➤ Medical technology	➤ Pump wheels
➤ Plastics industry	➤ Valve bodies
➤ More industries	

Delivery program	
 Rods	10 – 250 mm
 Plates	10 – 60 mm
 Tubes	on request
Stock lengths:	1,000 mm 3,000 mm
Width:	500 mm
Tolerance length:	0% to +3%
Tolerance width:	+1% to +4%
<i>Additional dimensions available on request.</i>	