

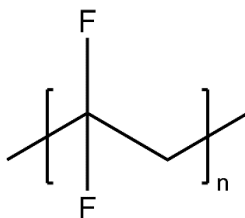


## Technical Data Sheet

<b>MATERIAL:</b>	Poly(vinylidene fluoride)
<b>CATALOG NUMBER:</b>	102
<b>CAS NUMBER:</b>	24937-79-9
<b>DESCRIPTION:</b>	Homopolymer of vinylidene fluoroide
<b>FORMULA:</b>	$(C_2H_2F_2)_x$
<b>TYPICAL PROPERTIES:</b>	
Appearance:	Powder
Fluorine content:	59%
Approx Mw:	530,000
Density:	1.76
Refractive index:	$n_D^{25}$ 1.42
Glass transition temp:	-38°C
Melting point:	158°C
Solubility:	Cyclohexanone, DMAC, DMF, DMSO, ethylene carbonate, propylene carbonate

**GENERAL INFORMATION:** Poly(vinylidene fluoride), (PVDF), combines the good processing and fabrication qualities of thermoplastics with excellent mechanical, thermal and chemical capabilities of high-performance fluoropolymers. PVDF can be fabricated by all the conventional thermoplastic processing techniques to make vessels, piping, heat exchangers, pumps, valves, woven belts, etc.

**STRUCTURE:**



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