



Product Specifications

Fabricators and Specifiers Benefits

- Excellent chemical and corrosion resistance to virtually all organic and inorganic media also at high temperatures
- Service temperature range from -22 °F/-30 °C to +284 °F/+140 °C
- Flame retardant and self-extinguishing (FM listed)
- Physiological acceptable (FDA regulation)
- Extraordinarily ageing resistance
- Easy to fabricate, weld, machine
- Thermoformable
- Made of Kynar
- Stress relieved
- Accurate to dimensional tolerances

Application Areas

- Tanks, vessels and apparatus construction in chemical industry
- Machined and fabricated parts
- Laboratory equipment
- Chemical processing
- Nuclear technology
- Semiconductor and electroplating industry
- Paper and textile industry

Standards and Specifications

- FM 4910 listed
- FDA regulation 21 Chapter 1, part 177.2510 for contact with food stuffs

Data and information used the preparation of this sheet have been obtained from controlled laboratory procedures and/or carefully documented empirical observations. As such, they may not be applicable to all uses and conditions. The reader is advised that no guarantees, written or implied, including guarantees as to the fitness for a particular purpose or use, are to be construed from this bulletin. Persons with questions as to the applicability of this material, or SIMONA AMERICA products to specific uses or situations are urged to contact our customer service department.

Product Range

Extruded Sheets – Standard Availability (in inch)

	1/32	1/16	3/32	1/8	3/16	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2
Size: 48" x 96"															
Natural				■	■	■	■	■							

PVDF FM 4910 sheets masked both sides

Extruded Sheets – Standard Availability (in mm)

	1	2	3	4	5	6	7	8	10	12	15	20	25	30	35
Size: 2000 x 1000 mm															
Natural	□	□	□	□	□	□		□	□	□	■ ¹	■ ¹	■ ¹	■ ¹	

¹ compression moulded sheets

PVDF FM 4910 sheets masked both sides

Rods – Available on Request (in mm)

	Length	Thickness
Natural	2000 mm	10 mm – 150 mm
	1000 mm	100 mm – 500 mm

Call for custom lengths, other sizes, welding rods, masking or special requirements.

PVDF Polyester Backed or Glass Fiber Backed sheets on request. Please call our custom service.

Technical Data

Property

	Test Method DIN/EN/ISO	Unit	Typical Value
Physical			
Density	ISO 1183	g/cm ³	1.78
Mechanical			
Yield Stress	DIN EN ISO 527	MPa	55
Elongation at Yield	DIN EN ISO 527	%	8
Elongation at Break	DIN EN ISO 527	%	30
Tensile-E-Modulus	DIN EN ISO 527	MPa	1,950
Notched Impact Strength	DIN EN ISO 179	kJ/m ²	12
Store Hardness D	ISO 868		78
Thermal			
Vicat Softening Point	DIN EN ISO 306	°C	140
Crystalline Melting Range	DIN 53736	°C	170–172
Average Thermal Coefficient of Elongation	DIN 53752	K ⁻¹	1.3 x 10 ⁻⁴
Thermal Conductivity	DIN 52612	W/m x k	0.14
Electrical			
Volume Resistivity	DIN IEC 167	ohm x cm	>10 ¹³
Flammability Ratings			
Flammability	FM 4910		Listed

■ stock availability □ availability on request