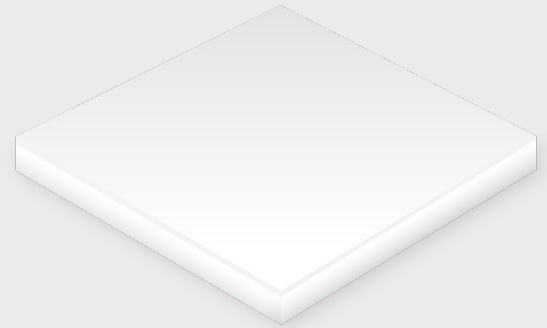




HALAR® 901 ECTFE

Un-backed, Polyester or Aramid-Backed Sheets

HFPM ECTFE provides a cost effective option for chemical and corrosion resistance in higher-range temperature environments. The copolymer's exceedingly smooth surface makes it ideal for resisting nucleation, sticking & fouling. In addition, it can be used in high purity and physically demanding applications.



Property	ASTM Spec	Unit	ECTFE 901	ECTFE 902	
Specific Gravity	D 792	—	1.68	1.71	
Environment	Water Absorption	D570	%	<0.01	<0.01
	Abrasion Resistance	Taber CS 17	mg/1000	5	5
	Oxygen Index	D2863	%	52	52
	Flammability	UL 94	—	V-0	V-0
		FM 4910	—	—	—
	Coefficient of Friction	C1894	Static	0.1-0.2	0.1-0.2
C1894		Dynamic	0.1-0.2	0.1-0.2	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	4,500	4,500
	Elongation (break)	D1708, D638	%	275	275
	Flexural Modulus	D790 @ 23 C	psi	245,000	245,000
	Notched Izod Impact	D256 @ 23 C	ft-lb/in.	No Break	No Break
	Shore D Hardness	D2240	—	73	73
Thermal	Continuous Service Temperature*	Maximum	°C	150	150
			°F	302	302
	Melting Point	D3418	°C	242	222
		D3418	°F	468	434
	Vicat Softening Point	D1525	°C	—	—
		D1525	°F	—	—
	Coefficient of Expansion	E831 TMA	in/in/°F (10 ⁻⁵)	5.0	5.0
	Deflection Temp (66psi) (66psi)	D648	°C	90	90
		D648	°F	195	195
	Deflection Temp (264psi) (264psi)	D648	°C	70	70
D648		°F	160	160	

* Continuous Service Temperature based upon "non-chemical Dry Usage."
Table data reflects ASTM based average typical vendor data. Data meant as general guidelines only. Specific applications require additional testing by the buyer. All properties based on standard unbacked product tests only.

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ADVANTAGES

- Good corrosive resistance
- High heat resistance
- Smooth surface characteristics
- Low co-efficient of friction

PROVEN APPLICATIONS

- Highly corrosive chemical storage
- Semicon wet bench
- Tank & Reactor Vessels
- Pulp & Paper Production
- Alkaline Treatment Systems

UNBACKED SHEETS

- Sheet sizes: 2'x4', 4'x8', 4'10'
- Gauges: 1/8" – 1"

FABRIC-BACKED ROLLS

- Roll size: 48"x600" (50')
- Gauges: .060, .090, .118

AVAILABLE FABRIC BACKINGS

- Polyester
- Aramid
- PAN (custom)
- Fiberglass (custom)

WELDING ROD

- 1/8" & 5/32" round rod