



## LAM ECTFE (F, G) | Solvay Halar® 901 & 902 resin

ECTFE(F) polyester fabric backed and (G) glass backed in sheets, rolls

LAM ECTFE provides a cost effective option for chemical and corrosion resistance in mid-range temperature environments. The copolymer's exceedingly smooth surface makes ECTFE ideal for resisting nucleation, sticking & fouling. In addition, it can be used in high purity and physically demanding applications. Select the higher viscosity grade (902) for thermoforming or to reduce the risk of stress cracking.



### Typical properties:

	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	****	VO	VO
		FM 4910	****	YES	YES
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
			°F	468	434
	Vicat Softening Point	D1525	°C	****	****
			°F	****	****
	Coefficient of Expansion	E831 TMA	in/in/°F (10 <sup>-5</sup> )	5.0	5.0
	Deflection Temp (66psi)	D648	°C	90	90
			°F	195	195
	Deflection Temp (264psi)	D648	°C	70	70
°F			160	160	
				LAM ECTFE 901	LAM ECTFE 902

\* 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

### ADVANTAGES

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

### PROVEN APPLICATIONS

- Highly corrosive acid storage
- Tank & Reactor Vessels
- Pulp & Paper Production
- Alkaline Treatment Systems

### STANDARD SIZES

- Roll – 48" x 600" (50')
- Sheets – 48" x 96"
- Gauges – .060, .090 & .118"

### STANDARD COLORS

- Natural only

### CUSTOM SIZES, COLORS

- Contact inside sales

### FABRIC BACKING

- LAM ECTFE(F): polyester
- LAM ECTFE(G): glass

### WELD MATERIALS

- 1/8" & 5/32 round rod
- 5/8" flat cap strip

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