



**LAM PFA LT** | SOLVAY® HYFLON F1520 resin  
Un-backed and Glass Fabric-backed (G) Sheet

A high degree of stress crack resistance, combined with chemical inertness and heat and weather resistance characterize LAM PFA-LT. Available with glass-backing for dual laminates or as standard extruded sheet, it serves a wide range of chemical handling and storage applications. The material also offers exceptional dielectric properties, non-stick characteristics, toughness and flexibility.

**Typical Properties:**

	PROPERTY	ASTM SPEC	UNIT	PFA LT
	Specific Gravity	D 792	****	2.15
Environment	Water Absorption	D570	%	****
	Abrasion Resistance	Taber CS 17	mg/1000	****
	Oxygen Index	D2863	%	95
	Flammability	UL 94	****	VO
		FM 4910	****	YES
Coefficient of Friction	C1894	Static	****	
	C1894	Dynamic	****	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	2,300
	Elongation (break)	D1708, D638	%	300
	Flexural Modulus	D790 @ 23 C	psi	72,000
	Notched Izod Impact	D256 @ 23 C	ft-lb/in.	No Break
	Shore D Hardness	D2240	***	57
Thermal	Continuous Service Temperature	Maximum	°C	219
			°F	425
	Melting Point	D3418	°C	270
		D3418	°F	518
	Vicat Softening Point	D1525	°C	****
		D1525	°F	****
	Coefficient of Expansion	E831 TMA	in/in/°F (10 <sup>-5</sup> )	9.0
	Deflection Temp (66psi)	D648	°C	****
		D648	°F	****
	Deflection Temp (264psi)	D648	°C	****
D648		°F	****	

\* 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

LAM PFA LT



**ADVANTAGES**

- Excellent corrosive resistance
- Excellent electrical properties
- Easy to fabricate & weld
- Heat resistant & flexible
- Non-stick characteristics
- Low co-efficient of friction

**PROVEN APPLICATIONS**

- Highly corrosive acid storage
- Semicon wet bench (FM4910)
- Heated reactor vessels
- Pulp & paper production
- Alkaline treatment systems

**STANDARD SIZES**

- 48" x 600" (50') fabric backed roll
- Sheets: 48" x 96"
- Gauge – 0.090" & 0.118"

**STANDARD COLORS**

- Natural-industry standard

**CUSTOM SIZES, COLORS**

- Contact inside sales

**FABRIC BACKING**

- LAM PFA LT (G) - glass backed

**WELD MATERIALS**

- 5/32" Round Rod

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