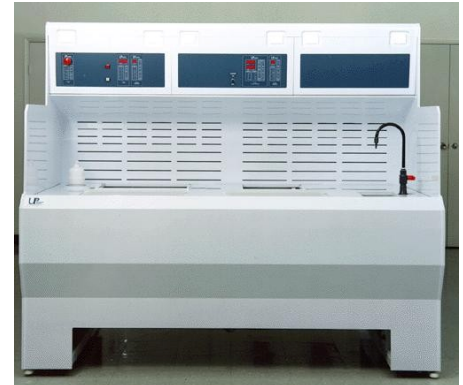




LAM FRPP V-0 | Meets UL 94 V-0 Criteria

Flame-Retardant Polypropylene Sheet

LAM FRPP polypropylene sheet offers an economical balance of physical, mechanical, and chemical properties in a flame-retardant material. Light weight, stain resistance, low moisture absorption, toughness and heat resistance to 180F under load comprise its notable properties. LAM FR polypropylene V-0 sheet welds and fabricates easily. It has excellent resistance to acids and alkalines (pH 0-14), organic solvents and degreasers, but is not suitable for use in aromatic aliphatic and chlorinated solvents.



Typical Properties:

	PROPERTY	ASTM SPEC	UNIT	FRPP
	Specific Gravity	D 792	****	1.01
Environment	Water Absorption	D570	%	<0.1
	Abrasion Resistance	Taber CS 17	mg/1000	****
	Oxygen Index	D2863	%	****
	Flammability	UL 94	****	VO
		FM 4910	****	NO
	Coefficient of Friction	C1894	Static	****
C1894		Dynamic	****	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	3900
	Elongation (break)	D1708, D638	%	>100
	Flexural Modulus	D790 @ 23 C	psi	160000.00
	Notched Izod Impact	D256 @ 23 C	ft-lb/in.	No Break
	Shore D Hardness	D2240	***	67
Thermal	Continuous Service Temperature	Maximum	°C	82
			°F	180
	Melting Point	D3418	°C	****
			°F	****
	Vicat Softening Point	D1525	°C	****
			°F	****
	Coefficient of Expansion	E831 TMA	in/in/°F (10 ⁻⁵)	****
	Deflection Temp (66psi)	D648	°C	82
			°F	180
	Deflection Temp (264psi)	D648	°C	****
°F			****	

ADVANTAGES:

- Economical V-0 general purpose cabinetry material
- Resists acids, alkalines and UPW in cabinet applications
- Good mechanical properties
- Thermoforms, welds easily

PROVEN APPLICATIONS:

- Cabinets with alkaline, acid exposure
- Chemical storage
- Rinse modules
- Wafer transfer interfaces
- Dry tool areas
- Electrical cabinets, enclosures

STANDARD SIZES:

- 48"x96"; 48"x120"; 60"x120"
- Gauge: 0.250" - 1.0"

STANDARD COLORS:

- Industry standard white

CUSTOM SIZES, COLORS:

- Contact inside sales

* 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 FRPP

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