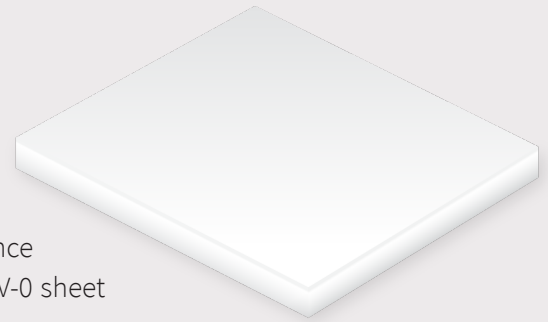




HFPM FRPP

Flame-Retardant Polypropylene Sheet | Meets UL 94 V-0 Criteria

HFPM 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 180°F under load comprise its notable properties. HFPM FR polypropylene V-0 sheet welds and fabricates easily, and has excellent resistance to acids and alkalines.



	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	—	—	V-0
			FM 4910	—	NO
	Coefficient of Friction	C1894	Static	—	—
Dynamic			—	—	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	3900	
	Elongation (break)	D1708, D638	%	>100	
	Flexural Modulus	D790 @ 23 C	psi	160000	
	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) (66psi)	D648	°C	82	
			°F	180	
Deflection Temp (264psi) (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.

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