



# PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

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## LAM 2000 - Clear/Blue CPVC FM4910 Sheet Material Data Sheet

PROPERTY	ASTM SPEC	UNIT	LAM 2000		
<b>Specific Gravity</b>	D 792	****	1.55		
Environment	<b>Water Absorption</b>	D570	%	<0.02	
	<b>Abrasion Resistance</b>	Taber CS 17	mg/1000	****	
	<b>Oxygen Index</b>	D2863	%	54.00	
	<b>Flammability</b>	UL 94	****	VO	
		FM 4910	****	YES	
	<b>Coefficient of Friction</b>	C1894	Static	****	
C1894		Dynamic	****		
Mechanical	<b>Tensile Strength (yield)</b>	D1708, D638	psi	8,700	
	<b>Elongation (break)</b>	D1708, D638	%	45.00	
	<b>Flexural Modulus</b>	D790 @ 23 C	psi	435,000	
	<b>Notched Izod Impact</b>	D256 @ 23 C	ft-lb/in.	1.4	
	<b>Shore D Hardness</b>	D2240	***	96	
Misc.	<b>Continuous Service Temperature</b>	Maximum	°C	90	
			°F	195	
	<b>Light Transmittance ( 3mm)</b>	Blue Tint	%	69	
		<b>( 5mm)</b>	Blue Tint	%	59
		<b>( 8mm)</b>	Blue Tint	%	44
		<b>(10mm)</b>	Blue Tint	%	36
	<b>Coefficient of Expansion</b>	E831 TMA	in/in/°F (10 <sup>-5</sup> )	****	
	<b>Deflection Temp (66psi)</b>	D648	°C	****	
		D648	°F	****	
	<b>Deflection Temp (264psi)</b>	D648	°C	77	
D648		°F	170		
<ul style="list-style-type: none"> <li>* Continuous Service Temperature based upon "non-chemical Dry Usage".</li> <li>* Table data reflects ASTM based average typical vendor data.</li> <li>* Data meant as general guidelines only.</li> <li>* Specific applications require additional testing by the buyer.</li> <li>* All properties based on standard unbacked product tests only</li> </ul>			<b>LAM 2000</b>		

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets.  
All values at 73F (23°C) unless otherwise noted.

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