



## SIMONA<sup>®</sup> PVC VS-1

### Fabricators & Specifiers Benefits

- FM 4910 listed cabinet-grade PVC
- UL-2360 product
- Self-extinguishing, fire retardant and smoke reducing
- Excellent chemical and corrosion resistance
- Good impact resistance and rigidity
- Excellent machining and welding characteristics
- Cost-effective, versatile material
- UV-stabilized
- Excellent gauge and dimensional consistency

### Application Areas

- Semiconductor processing equipment
- Wet benches and cabinetries
- Wafer process tooling

### **SIMONA<sup>®</sup> PVC VS-1**

#### **Extruded sheets (thickness in inch)**

Size 48" x 96"	1/32	1/16	3/32	1/8	3/16	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2
White				■		■	■	■		■ <sup>1</sup>	■ <sup>1</sup>				

<sup>1</sup> Sheets in gauges up to 1/2" are extruded and in-line stress relieved. Sheets in 3/4" and 1" thicknesses are press laminated from thinner sheets of extruded VS-1.  
PVC VS-1 Sheets masked both sides.

Call for custom lengths, other sizes, colors or special requirements.

### **Standards and Specifications**

- FM 4910 approved
- UL-2360 Non-Propagating-Class 1

# Technical Data

## Property

	ASTM* Test Method	Unit	Typical Value
<b>Physical</b>			
Density	D-792	g/cm <sup>3</sup>	1.43
Water Absorption (24 hrs @ 73 °F)	D-570	%	NA
<b>Mechanical</b>			
Tensile Strength	D-638	PSI	7,500
Tensile Modulus	D-638	PSI	480,000
Elongation at break	D-638	%	100
Izod Impact	D-256	ft. lbs./in.	1.06
Rockwell Hardness	D-785	“R” scale	112
<b>Thermal</b>			
Heat Distortion Temperature	D-648		
at 66 psi	D-648	°F	160
at 264 psi	D-648	°F	154
Vicat Softening Temperature	D-1525	°F	NA
Coefficient of Thermal Expansion	D-696	in./in. °C	5.96 x 10 <sup>-5</sup>
Temperature Range		°F	NA
<b>Flammability</b>			
Flammability			UL-2360 Class 1 Non-Propagating FM-4910 listed

\* American Society of Testing Materials

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