Simona® PVC Type I Sheet

SIMONA® PVC Type I sheet is extruded to exacting specification for normal impact applications. This type of sheet has excellent corrosion resistance, very good dielectric properties, low moisture absorption, high rigidity, good abrasion resistance and excellent weathering properties. The material is also self-extinguishing.

Applications:

- Chemical processing
- Semiconductor processing equipment
- Pollution control equipment
- Machined and fabricated parts
- Etching and plating tanks
- Scrubbers, hoods, ducts and other protective equipment

Features:

- Normal Impact
- Excellent chemical and corrosion resistance
- Easily to fabricate, weld or machine
- Showcase quality surface
- Stress relieved, square, flat sheets
- Accurate to dimensional tolerances
- Color consistent

SIMONA® PVC TYPE I SHEET TECHNICAL DATA

SIMONA® VERSADUR® PVC TYPE I	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Density	ASTM D-792	g/cc	1.41
Water Absorption (24 hrs @ 73 °F)	ASTM D-570	%	<0.02
MECHANICAL			
Tensile Strength @ Yield	ASTM D-638	PSI	9000
Tensile Modulus	ASTM D-638	PSI	486,000
Izod Impact	ASTM D-256	ft. lbs./in.	0.8
Hardness, Shore D	ASTM D-2240		84
THERMAL			
Heat Distortion Temperature at 264 psi	ASTM D-648	°F	154
Coefficient of Thermal Expansion	ASTM D-696	in./in., °F mm/mm, °C	4.4×10^{-5} (8.0×10^{-5})
Temperature Range		°F	+32 to +140
FLAMMABILITY			
Flammability	D-635		self-extinguishing
	UL 94		V-0, 5V

Notes:

- Meets ASTM D-1784-81 Type I Grade I Class 12454.
- Meets Federal Specification L-P 535e.
- Meets UL 94V-0,94-5V Flammability rating.
- Meets ASTM E 84 Flame Spread Rate 15, Fuel Contribution 0. (White Only)
- Maximum application temperature +140°F.
- Custom lengths, sizes, colors and special requirements available upon request.
- Gray PVC Sheet has no protective foil.
- White PVC Sheet has one side protective foil.
- * refers to items that are non-stock. Minimum orders and long leadtimes may be encountered.

PART #	THICKNESS (MM)	WT PER SHEET (LBS)
CAW - 2000MM X 1000MM		
S110012*	1	6.17
S110112*	1.5	9.48
S112012*	2	12.57
S110212*	3	18.74
S112212*	4	25.13
S112512*	5	31.31
S110412*	6	37.48
S114812*	7	43.87
S114612*	8	50.04
S114912*	9	-
S113012*	10	62.61
S110612*	12	75.18
S113112*	15	93.92
S113212*	20	125.22
S110812*	25	156.53
S110912*	30	187.83
S113412*	35	219.14
S111012*	40	250.44
S111212	50	313.06
CAW - 3000MM X 1500MM		
S112013*	2	28.22
S110213*	3	42.33
S112213*	4	56.44
S112513*	5	70.55
S110413*	6	84.43
S114813*	7	98.55
S114613*	8	112.66
S114913*	9	126.74
S113013*	10	140.87
S110613*	12	169.09
S113113*	15	211.42
S113213*	20	281.75
S110813*	25	352.30
S110913*	30	422.62
GREY - 2440MM X 1220MM		
S110011*	1/16	15.36
S110111*	3/32	23.04
S110211	1/8	30.72
S110311	3/16	46.08
S110411	1/4	61.44
S110511	3/8	92.16
S110611	1/2	122.88
S110711	3/4	184.32
S110811	1	245.76
WHITE		
*	1/16	15.36
*	3/32	23.04
*	1/8	30.72
*	3/16	46.08
*	1/4	61.44
*	3/8	92.16
*	1/2	122.88
*	3/4	184.32
*	1	245.76