

# Technical Data Sheet

All tests were completed in Nov. 2004 by an independent US lab

Property	TEST Method	DESCRIPTION	WHITE PVC TEST RESULTS	WOOD-GRAIN PVC TEST RESULTS	ALLOWED	
General	AAS	Lead PPM	Not Detected	Not Detected		
	AAS	TiO2 % + UV %	>10% of TiO2 alone	>10% of TiO2 alone		
	ASTM962-02	Height		±1/32"	±1/32"	±1/16"
		Width		±1/32"	±1/32"	±1/16"
		Weight Tolerance		<10%	<10%	≤10%
		Impact Resistance (ft lbf/mil) @32F		>0.75	>0.75	≥0.75
			@74F	>1.50	>1.50	≥1.50
		Wrap		0.16%	0.10%	≤0.5%
		Coefficient of Linear Expansion		2.9	2.9	≤4.4
			Dimensional Stability	1.3%	1.3%	≤2.4%
		ASTM D 792	Specific Gravity	1.46 g/ml	1.55 g/ml	
		ASTM D 2240	Hardness Type D Durometer	82	82	
		ASTM D 648	Heat Deflection-under load(264 psi)	154.6F	151.0F	
	Tensile	ASTM D 638	Tensile Strength	6133.6 psi	4362.0 psi	
Tensile Modulus			266372 psi	261480 psi		
Flexural	ASTM D 790	Flexural Strength	10131 psi	7691 psi		
		Flexural Modulus	367177 psi	322773 psi		
Strength	ASTM D 256	Impact Properties @73F IZOD, ft.lb/in notch	14.94	2.90		
Drop Impact	ASTM D 4226	Drop Dart Impact, in-lbf/mil				
		Ductile failure (Proc. A)	>2.29	>1.79		
		Brittle failure (proc. B)	>2.29	>2.20		

## 5-YEAR ACCELERATED COLOR FADING TEST\*

	WOOD-GRAIN PVC				TAN PVC			
	L	a	b	ΔE	L	a	b	ΔE
Initial	63.43	11.21	17.72	/	74.55	0.20	8.50	/
Phase One	63.39	10.30	18.04	0.96	75.05	-0.01	8.42	0.55
Phase Two	63.99	8.79	18.43	2.59	74.55	-0.16	9.23	0.81
Phase Three	63.98	8.17	18.74	3.25	73.45	-0.08	10.16	2.01
Phase Four	66.04	6.57	18.71	5.42	73.90	-0.16	9.90	1.58

\* Samples were exposed to 1000 hours of accelerated weathering per ASTM G155. Color readings were taken every 250 hours of exposure using Hunter L, a, b scale with a D65/10° observer. A ΔE>5 is considered to be a noticeable color change.

