

## Toilet Partition Testing

Toilet Partitions	Test	Description	Performance
	ASTM E 84	Surface Burning Characteristics, FRP Panels	
		Flame Spread, Class C	Maximum of 200
		Smoke Developed, Class C	Maximum of 450
	ASTM E 84	Surface Burning Characteristics, FRP Panels	
		Flame Spread, Class A	Maximum of 25
		Smoke Developed, Class A	Maximum of 450
	ASTM D 570	Water Absorption, FRP Doors and Panels, Nominal Value	0.16 percent after 24 hours
	Taber Abrasion Test	Abrasion Resistance, Face Sheet, 25 Cycles at 1,000 Gram Weight with CS-17 Wheel	Maximum of 0.01 average weight loss percentage
	ASTM D 2299	Stain Resistance	Face sheet unaffected after exposure to red cabbage, tea, mustard and tomato acid. Stain removed easily with mild abrasive or FRP cleaner when exposed to crayon and crankcase oil.
	ASTM D 543	Chemical Resistance 1. Acetic acid, concentrated. 2. Ammonium Hydroxide, concentrated. 3. Citric Acid, 10%. 4. Formaldehyde. 5. Hydrochloric Acid, 10% 6. Sodium hypochlorite, 4 to 6 percent solution	Excellent rating
	ASTM D 1621	Compressive Strength, Foam Core, Nominal Value	79.9 psi
	ASTM D 1621	Compressive Modulus, Foam Core, Nominal Value	370 psi
	ASTM D 1623	Tensile Adhesion, Foam Core, Nominal Value	45.3 psi
	ASTM D 2126	Thermal and Humid Aging, 158 degrees F and 100 Percent Humidity for 14 Days	Minus 5.14 percent volume change