

- Dissipates static electricity to protect sensitive electronic equipment and machinery
- 1/8" homogeneous tile in 12"x 12" format
- Uniform patterning for durability and easy maintenance
- Available in 13 colors

## Protect Valuable Equipment

LG StaticPulse ESD Control Vinyl Tile is the ultimate solution to today's technological environments where static electricity is a primary concern. Electrostatic discharges can damage or degrade sensitive electronic components, ignite flammable gases and cause equipment malfunction. StaticPulse offers protection against these discharges and ensures a safe, protected environment for server rooms and other technological spaces.

Item	Standard Test Method	Specification	Test Result	
			Conductive Tile	Static Dissipative Tile
<b>ELECTRICAL/ELECTROSTATIC PROPERTIES</b>				
Electrical Resistance -Surface to Surface	ESD S 7.1( 100V) ASTM F 150 (100V)	Conductive: $2.5 \times 10^4 \sim 10^6$	$2.5 \times 10^4 \sim 10^6$	$10^5 \sim 10^8$
-Surface to Ground	DIN 51953 (500V)	Conductive: $2.5 \times 10^4 \sim$ Static Dissipative: $10^6 \sim 10^9$	$2.5 \times 10^4 \sim$	
Static Generation	AATCC-134		0.1 KV	0.2 KV
Static Decay	Federal Test Method 101B Method 4046 at	<0.5 sec	0.01 sec	0.01 sec
<b>OTHER PROPERTIES</b>				
CEN Classification	DIN EN 685		Class 34 + 43	
Composition of Material	ASTM F 1700 Certificate of Compliance		Homogeneous	
Thickness	ASTM F 386, DIN EN 428	as specified $\pm 0.13$ mm	Meets Standard	
Nominal Sizes	ASTM F 536, DIN EN 427	$< \pm 0.4$ mm/304.8mm	Meets Standard	
Squareness	ASTM F 540	maximum 0.25mm	Meets Standard	
Residual Indentation	ASTM F 1914 DIN EN 433	average less than 8%, maximum single reading 10%	< 8%	
Flexibility	ASTM F 137	No crack or break	No crack or break	
Dimensional Stability	ASTM Fed. Std. No. 501a, Method 6211, DIN EN 434	0.51mm/304.8mm	Meets Standard	
Resistance to Chemicals	ASTM F 925 DIN EN 423	No more than a slight change in surface dulling, surface attack, or staining	No more than a slight change in surface dulling, surface attack, or staining	
Resistance to Heat	ASTM F 1514	E < 8 ave., max	< E = 1.0	
Resistance to Light	ASTM F 1515	E < 8 ave., max	< E = 6.0	
Static Load Limit	Modified ASTM F 970-93		< 0.127mm (at 1134kg)	
Smoke Density	ASTM E 662	<450	< 450	
Flame Spread	ASTM E 84, NFPA 225	<75	< 75	
CVCM	ASTM E 595		1.31%	
Thermal Conductivity	DIN 51612		0.309 W/m.k	
Fire Resistance	DIN 4102 ONORM B 3810		B1 B1 Q1	
Critical Radiant Flux	ASTM E 648, NFPA 253		> 1.08W/cm <sup>2</sup> (class I Interior Floor Finish, NFPA Life Safety Code 101)	
Abrasion Resistance	ASTM D 1044, CS-10-F Wheel, 500Gm Weight		Cycle 2,5000 5,0000 7,5000 10,000	% Gauge Loss .22 .44 .65 0.86
Resistance to Wear	DIN EN 660-1		M	
Effect of Castor Chair	DIN EN 425		No damage	
Color Fastness	ISO 105 B02		At least 6	
Impact Sound Absorption	Vli, ISO 140, ISO 717		approx 2dB	
Standard for Health Care Facilities	NFPA 99		Confirms to the requirement of NFPA 99 in effect at the time of installation	
Fulfills product requirements	DIN EN 649		Yes	
Underwriters Laboratories	UL 779		Meets UL Standard	
Burning Characteristics	EN ISO 9239-1 EN ISO 11925-2		Bfl-S1	
<b>WARRANTY</b>				
Free from defects in Workmanship and materials*			Five Years	
Conductivity*			Lifetime	

\*LG StaticPulse ESD Control Vinyl Tile's executive warranty is valid only when tile is installed LG StaticPulse ESD Control Vinyl Tile adhesive.

(part # 000000)

\*The above technical data is subject to modifications for the benefit of further improvements.



Website: [www.shawhardsurface.com](http://www.shawhardsurface.com)

Product Support : 800-241-2073

