

STATICO

Global Supplier of Static Control & Cleanroom Products

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Product Specifications

S1512 Series

Three-Layer Static

Dissipative Matting



Description

S1512 Series is a 3-Layer construction mat that provides a unique work surface for use in static safe workstations to protect electrostatic discharge sensitive components and devices against static electricity. Construction & electrical properties of this product makes it compatible for use with workstation monitoring systems. The conductive buried fleece helps to increase dimensional stability and lay-flat qualities of the mat. While top layer provides a tough work surface, the bottom layer adds excellent cushioning properties to the mat. Meets & exceeds requirements of ANSI/ESD S20.20-2014.

Technical Specifications⁽¹⁾

Construction	3-Layer Vinyl Composite: <ul style="list-style-type: none">- Solid Static Dissipative Top Layer- Conductive buried fleece Layer- Static Dissipative Vinyl Foam Bottom layer
Colors	Blue, Grey
Emboss Patterns	KidGrain (Light Embossing)
Gauge	0.125"±0.013" (1/8" or 125 mils)
Weight	60-65 oz/yd²
Tensile (ASTM D412, Die C)	350 lb/in² Minimum
Elongation (ASTM D412, Die C)	110% Minimum
Tear (ASTM D624, Die C)	80 lb/in Minimum
Abrasion (Tabor-CS17)	>750 Cycles
Hardness (ASTM D412)	45 Shore "A"
Chemical Resistance	Resistance to degradation by inorganic acids, organic acids, reducing agents, detergent solutions, alcohols, aliphatic hydrocarbons, mineral oil, amines, and aldehydes.
Resistance, Rtt. (ESD S4.1)	1.0 x 10⁶ – 7.0 x 10⁸
Resistance, Rtg. (ESD S4.1)	1.0 x 10⁶ – 7.0 x 10⁸
Static Decay (FTS 101C, Method 4046.1)	< 0.01 second
Suggested Service Temperature⁽²⁾	-20°F to +160°F
Standard Roll Sizes	24"; 30"; 36"; & 48" wide x either 50 feet or 100 feet long.
Part Numbers	S1512B (Blue Color); S1512G (Gray Color).

(1) Specifications are subject to change at any time for a variety of reasons. If you have any questions, please call for the latest update.

(2) This suggested range represents the general temperature range for most flexible vinyl products.

Due to the variety of possible end-uses, it is ultimately the responsibility of the customer to determine a product's suitability for a particular application.