



DS Series - Heavy Duty 2-Layer Dissipative/Conductive Rubber Floor Matting, .125" Thick

Sierra™ DS Series matting is a 2-layer textured heavy-duty rubber floor matting that is designed to be used at ESD-safe test stations. The top layer of this mat is composed of nitrile rubber and the bottom is composed of natural rubber and styrene-butadiene rubber. This material meets the ANSI/ESD S541-2003 standard for resistance and the federal standard 101 method 4046 for static decay. The top layer is static dissipative in order to reduce the risk of damage from placing a charged static sensitive device directly onto a conductive surface which could result in an ESD event. The bottom layer is conductive and quickly drains the static charge through a snap and ground wire to the connected electrical or earth ground.

Sierra™ DS matting withstands most common solvents associated with electronics production, service and repair. It will withstand the heat associated with soldering and will not melt if you accidentally drop your iron or solder onto your mat. Due to the chemical bond and how the material is made, it will not curl or delaminate. The DS material also has excellent abrasion and tear resistance.



Floor mat kits come precut to different sizes and include all you need to ground yourself and prevent damage to your ESD susceptible devices. Two snaps come pre-installed on the mats, and a ground cord comes rolled up on the inside of the mat. Custom size mats are also available (call or e-mail our Customer Service Department to inquire).

Product Specifications

Electrical Properties	Test Results
RTT (Point to Point)	5×10^7 to 6×10^8 ohms
RTG (Point to Ground)	5×10^7 to 5×10^8 ohms
Surface Resistance	Top layer: $<10^8$ ohms Bottom layer: $<10^5$ ohms
Decay Rate	5kv to 50v in less than .1 seconds

Physical Properties	Test Results
Thickness	.0125" (1/8")
Surface Texture	Textured
Material Composition:	
Top Layer	Nitrile Rubber (NBR)
Bottom Layer	Natural Rubber and Styrene-Butadiene Rubber (SBR)
Available Colors	Grey Speckled

Floor Mat Kits

Mat Size	Part No.
3' x 5'	DS35
3' x 6'	DS36
4' x 3'	DS43
4' x 4'	DS44
4' x 6'	DS2001
4' x 8'	DS49-311G

Full Rolls

(no hardware included with rolls)

Roll Size	Part No.
36" x 40'	DS3640
48" x 40'	DS4840

The values shown above were taken from random samples from material we believe to be typical for the product; however, actual values may vary somewhat from those listed above. All-Spec Industries makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria and testing.