

Blue

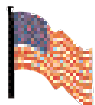
FTIR

Anions (ug/g): Chloride & Sulfide <35
Cations (ug/g): <35

Outgassing (4 hrs @ 50C: in ng/cm²)
Sulfur Dioxide & Carbon Disulfide: <10
Amines: <1000
Amides: <250
Organo-Sulfurs: <700
Sulfur: <1

Disclaimer:

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy or completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements or recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized officers of Desco Industries, Inc.



Made in America

Description:

Statfree UC™ was developed for Clean Room applications. This product was tested by a hi-tech manufacturer who approved it for Class 100 Clean Room use. The FTIR testing producing no detectable levels of Silicone and DOP. 100% Premium Nitrile Butadiene Rubber, it is PVC (Poly Vinyl Chloride) free. It is chloride, sulfide, alumina, and magnesia free.

Statfree UC™ meets the worksurface recommended technical requirements of ANSI/ESD S20.20 and ESD S4.1. This material is a dual purpose rubber matting material. The two layer construction allows it to be used as a dissipative or a conductive matting product. The soft dissipative layer makes an excellent table mat, ideal for use in soldering and assembly areas. This rubber material has superior resistance to heat, abrasion, chemicals, and is easy to clean and maintain. Statfree UC™ material will not melt and does not burn when coming into contact with hot metal parts or soldering debris. With a conductive layer, Statfree UC™ is suitable for use with continuous monitors.

Statfree UC™ is manufactured without any ozone depleting substances, and in accordance with the Montreal Protocol.

Electrical Properties:

Property	Test Method	Value
RTT Resistance (Blue top layer):	ESD S4.1	10E6 - 10E8 Ohms
RTT Resistance (Black bottom layer):	ESD S4.1	<10E5 Ohms

Electrical Properties obtained by testing to industrial standards by an independent testing laboratory @ 100 Volts and 50% relative humidity unless otherwise specified. Complete text of the test report is available upon request. Conductive bottom layer makes suitable for use with continuous monitors.

Specifications:

Construction: Dual-layer Ultra-Clean Rubber
Thickness: 0.080" (2mm) and 0.250" (6mm)
Texture:* Smooth
Colors:* Blue

*Color and texture may vary between lots and mills

Grounding: This material must be properly grounded for optimum electrical performance. Ask for Technical Bulletin TB-2000 for mat grounding instructions.

Cleaning: For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. We suggest using our Reztore™ Surface & Mat Cleaner Item #10435 or Static-Wipes Item #10600. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

Item No.	Size	Color	Thickness
66300	30" x 40'	Sky Blue	2mm
66340	24" x 30'	Sky Blue	6mm
66350	30" x 30'	Sky Blue	6mm

Tolerances:

Width ± .250"
Length ± .250" every 1 linear foot of running material.



Grounding Intervals for ESD Mats

Sufficient ground cords should be used to reliably meet ANSI/ESD S20.20 Table 1 less than 1 x 10E9 ohms for worksurfaces. An industry recommendation has been that continuous runs of ESD matting should be grounded at ten-foot intervals to allow proper charge decay rates with each individual ESD mat should be grounded with ground snap located no further than five feet from either end.

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Always trim with a sharp knife or razor blade.

Limited Lifetime Warranty:

Desco warrants for one year that Statfree® matting products will be free of defects in materials and workmanship and will guarantee dissipative/conductive mat properties for the life of the mat. Damage to matting caused by misuse of any kind, including using inappropriate cleaners is not covered by Desco Limited Warranty.

RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at Desco.com.

STATFREE UC™, DUAL LAYER RUBBER, DISSIPATIVE, 2MM & 6MM

DESCO

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STATFREE UC™
DRAWING PM-121

DATE:
2/06