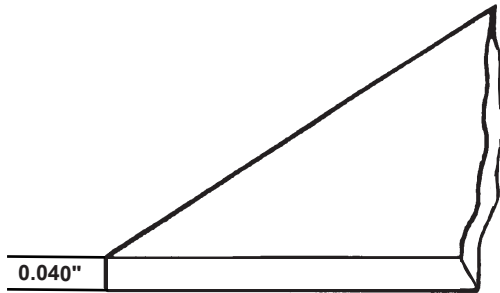




Specifications



Electrical Properties

Surface Resistance:
Volume Resistance:

Typical Values

1 x 10⁶ to < 1 x 10⁹ ohms
1 x 10⁶ to < 1 x 10⁹ ohms

Test Procedures/Method

ESD S11.12

Static Decay Rate:

+5000 V to 50 V
-5000 V to -50 V
+1000 V to 100 V

0.01 Seconds
0.01 Seconds
0.1 Seconds

FTMS-101C (12% R.H.)

Charged Plate Monitor (50% R.H.)

Physical Properties

Construction:
Filler:
Thickness:
Temperature:
Color:*
Specific Gravity:

TPU Alloy
Inherently Dissipative Polymer (IDP)
0.040" (1.0MM)
190F (87C)
Transparent
1.16 g/cc

Mechanical Properties

Tensile Strength at Break:
Ultimate Elongation, Break:
Modulus at 100%:
Modulus at 300%:
Shore Hardness

3800 (26) Psi (MPa)
450%
1200 (8) Psi (MPa)
2200 (15) Psi (MPa)
90A / 47 D

ASTM D-412
ASTM D-412
ASTM D-412
ASTM D-412
ASTM D-412

Tolerances

Width: = ± 0.250"
Length: = ± 0.250" per linear foot
Thickness: = ± 10%

Limited Lifetime Warranty:

ESD Systems 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 [ESD Systems Limited Warranty](#).

RoHS 3, REACH, and Conflict Minerals Statement

See the Desco Industries RoHS 3, REACH, and Conflict Minerals Statement:
<http://www.descoindustries.com/pdf/Regulatory.pdf>

See the ESD Systems Limited Warranty:
<http://esdsystems.descoindustries.com/Limited-Warranty.aspx>

See the ESD Systems Disclaimer:
<http://desco.descoindustries.com/Disclaimer.aspx>

Specifications and procedures subject to change without notice.

*Color and texture may vary between lots and mills.



Made in the
United States of America

Statfree® TPU, Clean ESD Table Mat, 0.040" (1.0MM)

ESD SYSTEMS.com

ESD SYSTEMS.COM
432 NORTHBORO ROAD CENTRAL
MARLBORO, MA 01752 USA
TEL. (508) 485-7390 FAX (508) 480-0257



Visit our online
library of Tech Drawings:
<http://www.esdsystems.com>

DRAWING
TPU Series

DATE:
December
2021