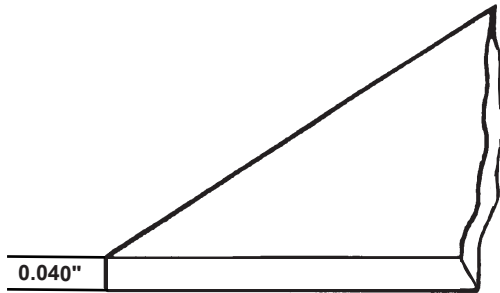




Specifications



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)
190°F (87°C)
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%

RoHS, REACH, and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:

<http://www.descoindustries.com/pdf/Regulatory.pdf>

See the SCS Limited Warranty:

<https://staticcontrol.descoindustries.com/Limited-Warranty.aspx>



Made in the
United States of America

*Color and texture may vary between lots and mills.

Specifications and procedures subject to change without notice.

C10 Series Clean ESD Thermoplastic Polyurethane Mat, 0.040" (1.0MM)

SCS

DRAWING
C10 Series

DATE:
December
2021