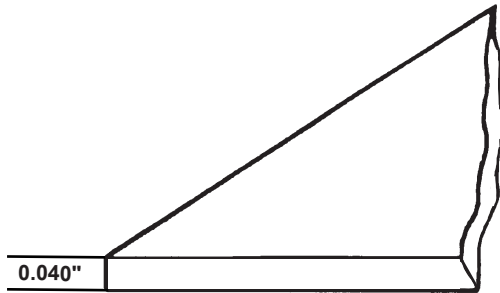




## Specifications



### Electrical Properties

Surface Resistance:  
Volume Resistance:

### Typical Values

1 x 10<sup>6</sup> to < 1 x 10<sup>9</sup> ohms  
1 x 10<sup>6</sup> to < 1 x 10<sup>9</sup> 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

926 JR Industrial Drive, Sanford, NC 27332  
WEB SITE: [StaticControl.com](http://StaticControl.com)  
PHONE (919) 718-0000

DRAWING  
C10 Series

DATE:  
December  
2021