

MT5500 Series IDP-STAT Cleanroom ESD Table Mat

Protect your sensitive items with this ultra-clean, particle free, permanently static dissipative cleanroom ESD matting.

The IDP-STAT 5500 series utilizes a patented inherently static dissipative polymer alloy system to provide clean, permanent ESD protection. The IDP-STAT 5500 series provides consistent static dissipation that is not dependent on humidity and will last the life of the mat.

The 5500 series ESD control mats are ultra-clean:

- Non-outgassing, non-blooming
- Contains no particulates, plasticizers or phthalates
- Permanently anti-static

With minimal cleaning requirements, the IDP-STAT material is ideal for cleanroom settings. Engineered with superior durability and see-through clarity, the IDP-STAT 5500 is an ideal material for softwall panels to separate working areas in controlled environments such as cleanrooms and data centers.

The IDP-STAT 5500 series meets for exceed the requirements of ESD STM-4.1 , ESD STM-4.2 and ANSI/ESD S-20.20



Features

- **Made with IDP-STAT Alloy - Permanent Static Dissipative Properties**
- **Ultra-Clean: Non-Outgassing, Non-Blooming, No Particle Generation**
- **Available in 150ft rolls or an Assortment of Ready Made Table Mats**
- **Transparent - Can be used as Softwalls**

Applications:

Ideal for use in controlled environments such as cleanrooms. Creates an ultra-clean ESD safe work area by grounding for electrical charges as well as protecting the work surface from damage.

Specifications:

Thickness	1MM (0.040 MIL)
Hardness	60 Shore A
Temperature	190F (87C)
Color	Transparent
Material	TPU Alloy
Resistance to Ground (RTG)	3 x 10 ⁸ ohms
Resistance Point to Point (RTT)	5 x 10 ⁸ ohms
Static Decay	0.01 Seconds (+5000V to 50V) 0.01 Seconds (-5000V to -50V) 0.1 Seconds (+1000V to 100V)

Tensile Strength	3800 (26) PSI (MPa)
Shore Hardness	90A/47D
Flame Test UL 94V0	PASS
Class 1-Flame Spread	10
Class 1-Smoke Density	195
Operating Temp	32F / 0C
Brittle Temp	0F / -17C
Specific Gravity	1.16
UV Stability in Sunlight	Good

Part Numbers:

Full Rolls	Roll, 4'x150', IDP-STAT CR Mat
MT554X150	Mat, 2x4, IDP-STAT CR Mat
MT552448	Mat, 3x4, IDP-STAT CR Mat
MT553648	Mat, 4x5, IDP-STAT CR Mat
MT554860	Mat, 4x6, IDP-STAT CR Mat
MT554872	

For Custom Sizes Call Contact Transforming Technologies at 419-841-9552 or info@transforming-technologies.com

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