NEW PRODUCT FROM EUROSTAT GROUP

demat®

HIGH TEMPERATURE RESISTANT STATIC DISSIPATIVE MAT

Product Reference Numbers
32-010-0000
32-020-0000
32-030-0000

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demat® was developed in-house with the objective to offer to the market an economically priced ESD-safe mat with premium qualities especially a resistance to high temperature burns. The mat is produced by laminating a static dissipative material over a conductive bottom layer. This construction offers the ideal charge dissipation setup where surface charges can be drained at a controlled rate, preventing ESD events.

The material is specially formulated to be solder resistant. The top and bottom surfaces are textured to improve the grip and aesthetics.

Product Reference Numbers	32-010-0000	Beige
	32-020-0000	Grey
	32-030-0000	Blue

Features

1. Static dissipative surface and conductive bottom layer, suitable for EPAs
2. High temperature resistant
3. Heavy duty
4. Easy to maintain
5. Economical

Physical Dimensions

Mat Thickness	2.1 mm
Roll Width	1.22 m
Roll Length	10 m

Electrical Characteristics

Resistance to EPA Ground	< 3.5 x 10^7 Ω @100 V
Surface Resistance (Top Surface)	< 1 x 10^8 Ω @ 100 V
Surface Resistance (Bottom Layer)	< 1 x 10^5 Ω @10 V
Decay Time (±5000V to ±500V)	< 0.03 sec
Decay Time (±5000V to ±50V)	< 0.2 sec

Note: The results are in compliant to the IEC, EOS/ESD and FTM standards

Temperature Resistance Characteristics

200°C	250°C	300°C	350°C	400°C
No defect	No defect	Slight	Discoloured	Burnt

Note: Tests performed on the top surface of **demat**® with an adjustable-temperature soldering iron

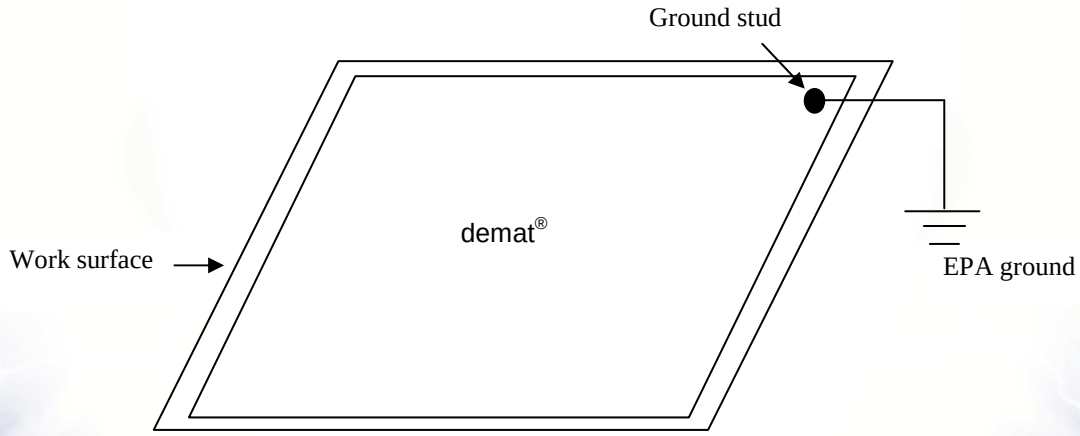
Mechanical Resistance Characteristics

Abrasion Resistance	150 mm^3 @ 5N
Hardness	73 Shore A

Note: Tests performed in accordance to ISO 4649 Procedure A and 7619.

Installation

demat® needs to be connected to the EPA ground to create an effective static-control system. The simple schematic plan represents a good installation setup.



Maintenance

As with all ESD-safe materials, a dirty surface forms an insulative barrier against the dissipation of surface charges. To ensure the effective performance of **demat**®, we recommend to regularly clean the surface with an anti-static table top cleaner: 32-600-0001.