

REPORT

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Reference 7F025188 Page 1 (3) SP Testing

SumoBox AB Johan Wingård Högbergsgatan 13 724 62 VÄSTERÅS

Test of boxes regarding electrostatic protective properties

(1 appendix)

Black plastic boxes and fittings.



9050-6624-900 ShuttleBox 800x600x50 ESD

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Performed by

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The test objects fulfilled the requirements for ESD-approval according to IEC 61340-5-1, edition 1.0, 2007 provided the marking is supplemented.

1 Commission

Tests according to IEC 61340.

2 Client

SumoBox AB, Västerås, Sweden

3 Test objects

Black plastic boxes and fittings manufactured by SumoBox AB.

9050-6624-900	ShuttleBox 800x600x50 ESD
1060-6627-900	ShuttleDivider 100x600 ESD

Six test objects arrived at SP 2017-11-22.

4 Performance and result

The surface resistance measurements were performed 2017-11-24 according SP-method 2472, issue 6 with appendix 1, issue 4.

The test objects were conditioned during more than 48 h in 23 ^{o}C ±2 ^{o}C and 12 % RH ±3 % RH.

The measurements were performed in the same climate.

Electrode: Concentric rings without guard electrode. Outer diameter of the inner ring: 30,5 mm Inner diameter of the outer ring: 57,2 mm Contact material: conductive rubber

Instrument: SP inv.No. 502589 (instrument uncertainty less than ± 0.6 %).

Measurement voltage: 100 V DC

All test objects were measured.

Testing was carried out by Sven Byheden 2017-11-24.

The test results apply to the tested items only.



Result, 9050-6624-900 ShuttleBox 800x600x50 ESD

all measured resistance values were in the range 7.6 x $10^3 \Omega$ to 8.3 x $10^3 \Omega$.

The requirement of surface resistance in the range $10^2 \Omega$ to $10^{11} \Omega$ was fulfilled.

Result, 1060-6627-900 ShuttleDivider 100x600 ESD

all measured resistance values were in the range $1.2 \times 10^3 \Omega$ to $2.9 \times 10^3 \Omega$.

The requirement of surface resistance in the range $10^2 \Omega$ to $10^{11} \Omega$ was fulfilled.

5 Marking

Requirements were fulfilled. The products were marked with manufacturers/suppliers name and type designation. ESD-symbol was missing.

Appendix

Appendix 1: Photographs

REPORT



Appendix 1



9050-6624-900 ShuttleBox 800x600x50 ESD



1060-6627-900 ShuttleDivider 100x600 ESD