ESD product qualification



Article number: 0.0.682.25
Article: UHMW Polyethylene Panel 4mm ESD, black similar to RAL 9005

The above-mentioned product's suitability for use in ESD-protected areas (EPA) has been checked in line with the specifications of IEC/DIN EN 61340-5-1:2016 and it meets the relevant requirements.

Typical resistance values at the relevant ambient temperature (measurement voltage: 100 V=)

Measurements[1]	Standard limit values	Test limit values[2]
Ambient temperature	23°C ± 2°C	23°C ± 2°C
Leakage resistance	< $1x10^9$ Ω	< $1x10^9$ Ω
Surface resistance	< $1x10^9$ Ω	< $1x10^9$ Ω
Volume resistance	< $1x10^9$ Ω	< $1x10^9$ Ω

[1] Depending on the range of functions and the geometrical dimensions, some measurements may not be relevant.

[2] Due to the local conditions, the relative humidity during all product tests was 10 - 65 percent.

Depending on the application, the entire solution requires additional resistance if the resistance measurement falls below $1x10^4$ Ω.
NB: To ensure safe use in ESD-sensitive environments, measurements must be taken on a regular basis to check that the entire solution in which the product is being used complies with the relevant values (to IEC/DIN EN 61340).

Solingen, 03.02.21

item Industrietechnik GmbH
Friedenstrasse 107-109
42699 Solingen, Germany

Phone +49 212 6580 0
Fax +49 212 6580 310
info@item24.com
item24.com

Quality management to
DIN EN ISO 9001:2015
Solingen, 15 January 2019