

Test Report 920833-16-0037-01
“Measurement a partial sample as L2 configuration 1“



Process Safety

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Swissi Process Safety GmbH · Mattenstrasse 24 · CH-4002 Basel · Switzerland

TechnoStat Industry Co. Ltd
5-381 Shimo atsusaki
Nasushiobarashi
Tochigi
325-0025
Japan

Summary

The surface resistivity of the outside surface ranges between $1 \cdot 10^9$ and $1 \cdot 10^{12}$ Ohm.
The surface resistivity of the inside surface ranges between $1 \cdot 10^9$ and $1 \cdot 10^{12}$ Ohm.

The breakdown voltage was not measured since the thickness of the sample is lower than 700 μ m.

The tested partial sample **meets the requirements of a L2 configuration 1 liner** according IEC 61340-4-4 (Edition 2, 2012-01).

The detailed test results are shown on the table of page 2.

Head of Testing

March, 31th 2016

Christian Kubainsky

The results in this test report are based on measurements of samples given to the test laboratory.
The total test report may be copied but not parts of it.

Date: 2016-03-31

Our reference: PRS-/ku

Report Nr. 920833-16-0037-01

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The test results refer exclusively to the units under test.



Test Object

No	Sample	Sample Description	Receiving Date
1	Liner sample A	white thickness: 0.09 to 0.10 mm	March, 22 nd 2016

Applied Testing Procedure

SOP-No: 201 (Measurement of surface resistance)

SOP-No: 208 (Testing of the electrostatic properties of FIBC)

Test Set-Up

The tests were carried out in the electrostatic lab of the Swissi Process Safety Ltd in Basle.

For the surface resistivity the Megohmmeter was used with the circle electrode according IEC 61340-2-3. The surface resistivity tests were done inside a climatic chamber with a temperature of 23°C and 20% relative humidity and 23°C and 60% relative humidity. The measuring voltage was 500V.

End of experimental part: March 25th 2016

Results and Evaluation

Sample	Test Scope	Test Value	Unit
1	surface resistivity outside (23°C / 20%rF)	$(3.5 \pm 0.5) \cdot 10^{11}$	Ω
1	surface resistivity inside (23°C / 20%rF)	$(6.2 \pm 1.0) \cdot 10^{11}$	Ω
1	surface resistivity outside (23°C / 60%rF)	$(3.1 \pm 0.6) \cdot 10^9$	Ω
1	surface resistivity inside (23°C / 60%rF)	$(1.4 \pm 0.8) \cdot 10^{10}$	Ω