



Report 64325 Test Report

Applicant

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Reference

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Application

Determination of the surface resistivity - Type A according to EN 1149-1.

Test Material

T-Shirt and textile fabric

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

Number of pages contained: 4

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1 Order

1.1 Chronology

Date	Received	Order
2010-08-18	2010-08-23	Determination of the surface resistivity - Type A according to EN 1149-1.

1.2 Samples

No.	Received	Sample Identification	Sample Material
1	2010-08-23 (1)	"T-Shirt (Nr. 1), 49% cotton - 49% PES - 2% carbon fibre"	T-Shirt, 1 piece
2	2010-08-23 (1)	"Fabric from T-Shirt (Nr. 1), 49% cotton - 49% PES - 2% carbon fibre"	circular knitted fabric, 45 cm x 64 cm
3	2010-08-23 (1)	"T-Shirt (Nr. 2), 78% cotton - 22% metal fibre"	T-Shirt, 1 piece
4	2010-08-23 (1)	"Fabric from T-Shirt (Nr. 2), 78% cotton - 22% metal fibre"	circular knitted fabric, 45 cm x 64 cm
5	2010-08-23 (1)	"Fabric, 98,2% cotton - 1,8% metal fibre"	circular knitted fabric, 45 cm x 64 cm

(1) Samples provided by the customer. (2) Sample drawn by OB.



2 Findings / Tests performed

2.1 Determination of surface resistivity

Test conditions

According to EN 1149 part 1

Testing atmosphere: 23 °C, 25 % rel. humidity

Measuring voltage: 100 V

Number of tests: 5

Test results

Tested sample: 2

Surface resistivity P					
Test 1	Test 2	Test 3	Test 4	Test 5	Geometric mean value
$3,4 \times 10^8 \Omega$	$4,4 \times 10^8 \Omega$	$3,6 \times 10^8 \Omega$	$2,4 \times 10^8 \Omega$	$3,0 \times 10^8 \Omega$	$3,3 \times 10^8 \Omega$

Tested sample: 4

Surface resistivity P					
Test 1	Test 2	Test 3	Test 4	Test 5	Geometric mean value
$5,9 \times 10^8 \Omega$	$3,6 \times 10^8 \Omega$	$6,9 \times 10^8 \Omega$	$3,0 \times 10^8 \Omega$	$3,2 \times 10^8 \Omega$	$4,3 \times 10^8 \Omega$

Tested sample: 5

Surface resistivity P					
Test 1	Test 2	Test 3	Test 4	Test 5	Geometric mean value
$10,0 \times 10^8 \Omega$	$7,4 \times 10^8 \Omega$	$11,2 \times 10^8 \Omega$	$10,0 \times 10^8 \Omega$	$10,6 \times 10^8 \Omega$	$9,7 \times 10^8 \Omega$

The fabrics fulfil the requirements of EN 1149-5. This test report is EC-type examination for PPE.



3 Remarks

Sample Material

Results of performed tests only refer to the sample material provided.

Without explicit written other agreement testing is destructive and the sample material is transferred to the property of OIB, which is entitled to freely decide on storage and disposal.

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