ÖTI – Institut für Ökologie, Technik und Innovation GmbH

Report 64325
Test Report

Applicant

INNOWEAR-TEX Kft.
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6800 Hódmezövásárhely
UNGARN

Reference

Mrs. Mónika Gémes

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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Contents

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"	cirkular 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"	cirkular knitted fabric, 45 cm x 64 cm
5	2010-08-23 (1)	"fabric, 98,2% cotton - 1,8% metal fibre"	cirkular knitted fabric, 45 cm x 64 cm

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

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 x 10^8 Ω	4,4 x 10^8 Ω	3,6 x 10^8 Ω	2,4 x 10^8 Ω	3,0 x 10^8 Ω	**3,3 x 10^8 Ω**

Tested sample: 4

Surface resistivity P					
Test 1	Test 2	Test 3	Test 4	Test 5	**Geometric mean value**
5,9 x 10^8 Ω	3,6 x 10^8 Ω	6,9 x 10^8 Ω	3,0 x 10^8 Ω	3,2 x 10^8 Ω	**4,3 x10^8 Ω**

Tested sample: 5

Surface resistivity P					
Test 1	Test 2	Test 3	Test 4	Test 5	**Geometric mean value**
10,0 x 10^3 Ω	7,4 x 10^3 Ω	11,2 x 10^3 Ω	10,0 x 10^3 Ω	10,6 x 10^3 Ω	**9,7 x 10^3 Ω**

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 ÖTI, which is entitled to freely decide on storage and disposal.

Quality management and accreditations

All tests and services are performed under a quality management system according to EN ISO 17025.

ÖTI is accredited by several organisations for various tests offered. It also is a Notified Body for several directives with the registration number 0534 (see http://ec.europa.eu/enterprise/newapproach/nando/). The accreditation by the Federal Ministry of Economy, Family and Youth as testing laboratory was repeated under reference 92.714/0560-I/12/2009 (Individual accredited test procedures are marked with the federal laboratory logo), the accreditation for testing and inspection of construction products was given by the OIB (Austrian Institute of Construction Engeineering). Details and other accreditations are given on request and can be found on www.oeti.at.

Issuance

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End of Report