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## TECHNICAL REPORT

Report Nº: **IN-00598/2015-E-1**  
Pages: 2

### PRESENTED SAMPLE

#### Sample description:

A sample of fabric to upholstery referenced as: **"ARTÍCULO: ARC"**

Presentation date: 05/09/13

### REQUESTED TESTS

Tests according to standard **UNE EN 14465:2004/A1:2007**: **"TEXTILE UPHOLSTERY FABRIC. Specification and method of test"**:

- **ABRASION RESISTANCE**  
Standard **UNE EN ISO 12947-2:1999**.

Performance dates: from 05/09/13 to 16/09/13

(●) *The marked tests correspond to the report no. IN-01969/2013-1 issued by LEITAT on September 25th, 2013" / "This report is a translation from the report number IN-01969/2013-9 issued by LEITAT on March 05<sup>th</sup>, 2014".*

**Textile Unit Coordinator**  
Yolanda Cabrejas

**Textile Technical Manager**  
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Terrassa, March 09<sup>th</sup> 2015.

**ABRASION RESISTANCE**

**Standard UNE EN ISO 12947-2:1999**

**Scope:** This test is intended to determine the abrasion resistance of fabrics by means of the Martindale method.

**Equipment used:** Abrasion tester Nu – Martindale.

**Conditioning of the specimens:** 24 hours to 20°C ± 2°C - 65 % ± 4 % h.r.

**Test conditions:**

Test atmosphere: 20°C ± 2°C - 65% ± 4% h.r.

Abrasive: Rubbing against a standard wool fabric (UNE EN ISO 12947-1)

Test pressure: 12 kPa (795 ± 7 g)

Final point:

- Valuation of the change of color to 3.000 cycles according to standard UNE-EN 14465:2004/ A1:2007 (Annex A) and UNE-EN ISO 105 – A02.
- Number of cycles required until three yarns break completely (UNE EN 14465:2004/A1:2007)

Number of specimens tested: 3

Previous treatment: Null

**Results obtained:**

**Valuation of the change of color to 3.000 cycles according to standard UNE EN ISO 105-A02**

index grey-scale

4-5

**Number of cycles required until 3 yarns break completely (cycles)**

Specimen no 1 50.000

Specimen no 2 50.000

Specimen no 3 50.000

Average 50.000