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TEST REPORT 67/20

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Customer: Ms Oda Nimmer
Assignment from: 07/02/2020
Received: 10/02/2020

Assignment: Determination of abrasion resistance of fabrics by Martindale method according to DIN EN ISO 12947-2:2017 (Determination of specimen breakdown), accredited test method, standard abradant – abrasion weaving of wool, load 12 kPa

Samples: 1 synthetic leather embroidered, article 15473 **ICONA**

Sampling: The samples were taken by the customer.

Realization of the test:

The samples were taken und tested by the prescriptions mentioned above and according to DIN EN 14465 (upholstery fabrics – specification and methods of test).

Test results:

Abrasion resistance

at 3 000 abrasion cycles	color change of embroidery thread grade 3, due to loss of lustre of embroidery thread, it appears darker and more dull
at 10 000 abrasion cycles	the embroidery threads begin to rub open slightly, the synthetic leather shines
at 25 000 abrasion cycles	the embroidery threads thin out, 1 embroidery thread is destroyed, the shine on the synthetic leather surface has increased
at 30 000 abrasion cycles	2 test samples destroyed (3 and more than 3 embroidery threads)
at 35 000 abrasion cycles	1 test sample destroyed (3 and more than 3 embroidery threads)

The evaluated abrasion interval is 25000 abrasion rotations.

The grade 5 represents the best grade and the grade 1 the worst grade when evaluating the color change.

The destruction of the embroidery threads was evaluated for the classification according to DIN EN 14465. 3 destroyed embroidery threads were assumed as the end point of the test. The end result is the lowest single test result of the 3 test samples tested. The number of abrasion cycles of the examination interval before reaching the end point is specified as the abrasion cycles interval to be assessed.

25 000 abrasion cycles are normally classified in category B according to DIN EN 14465.

As attachment you get stressed samples for inspection, with numbers of abrasion cycles indicated.

The testing results are exclusively related to the samples under conditions as received.

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Dr. Klobes
Head of the Testing Centre

Anlage: stressed samples abrasion resistance