

TFI Report 20-000743-03

Functional and Quality testing

Customer
Kinnasand GmbH
Danziger Str. 6
26655 Westerstede
GERMANY

Product
Textile floor covering
Braid, Item No. 20120

This report includes 2 pages and 1 annex(es)

This report is a correction of test report no. 20-000746-02 and supersedes the previous version.

Responsible at TFI

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Aachen, 15.06.2021



Dr. Andreas Zoëga
- Head of testing laboratory -

The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.

1 Transaction

Test order	Changes in appearance according to ISO 10361:2015
Order date	12.08.2020
Your reference	S. Rochetti
Product designation	Braid, Item No. 20120
TFI sample number	2001135
Date of sample receipt	20.07.2020, 13.08.2020
Sampling performed by	Customer

2 Product Specification

Type of manufacture	stitched *
Type of surface	flat *
Backing	n.a. *
Pattern	multicoloured, patterned
Colour	black, brown, beige
Use surface	88% post-consumer recycled Polyester, 12% Polyester *
Type of delivery	rug *

* customer information

3 Results

Parameter	Result
Change in appearance (median value)	
Short-term use	4,5
Long-term use	4,0
Classification of appearance retention according EN 1307:2014+A3:2019	33
Classification of appearance retention according EN 14215:2018	23

The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard.

4 Annexes

Changes in Appearance ^a AV 20-000743-03

The annexes marked ^a are based on tests accredited in accordance with EN ISO/IEC 17025.

Annex AV - Changes In Appearance

1 Transaction

Product designation	Braid, Item No. 20120
TFI sample number	2001135
Testing period	30.07.2020 – 18.08.2020

2 Test Method / Requirements

ISO 10361:2015	Production of changes in appearance by means of Vettermann drum and hexapod tumbler tester
Assessment standard	EN ISO 9405:2017
Deviation	<ul style="list-style-type: none"> none
Test method	method B (Hexapod)
Type of underlay	none
Number of assessors	3
Type of vacuum cleaner	Vorwerk Kobold VT270 / EB370 with rotating brush

3 Results

Parameter	Short-term wear (4,000 cycles)		Long-term wear (12,000 cycles)	
	Mean value	Median value	Mean value	Median value
Assessment	4,3	4,5	3,8	4
Grey Scale	4,5	4,5	3,8	4
Dominant property	structure		structure, colour	

Comments / special observations: none