



Confidential Report

Our Ref: 25/13100B/12/25





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: onestopshop@bttg.co.uk
Website: www.bttg.co.uk

Date: 23 January 2026

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Client:

Rizhao Dongsheng Carpet Co., Ltd

South of Shanhai 2 Road
West of Chaoshi Road
Rizhao City
Shandong
China

Job Title:

Dimensional Stability Test on One Sample of Carpet

Clients Order Ref:

Date of Receipt:

05 January 2026

Description of Sample:

One sample of carpet, referenced; Axminster Carpet, 80% Wool 20% Nylon 66,
7*12.

Work Requested:

We were asked to make the following test(s):

BS ISO 2551

- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited



1066

This report relates only to the items tested.
All tests were carried out in the laboratories in Leeds, unless otherwise indicated.

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Dimensional Stability After Heat Exposure and Water Immersion and Distortion Out of Plane

Three specimens from the sample were tested in accordance with BS ISO 2551:2020.

Measurements were made on a measuring table with dial gauges. The mean dimensional changes at each condition are quoted as a percentage of the original measurements recorded at $20 \pm 2^\circ\text{C}$ and $65 \pm 4\%\text{rh}$, to the nearest 0.1%.

Condition/Spec. No.	Dimensional Change (%)							
	Machine Direction				Across Machine Direction			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>Mean</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>Mean</u>
After drying for 2 hrs at 60°C Mean:	-0.5	+0.1	-0.1	-0.2	+0.5	+0.1	+0.3	+0.2
After immersion in water for 2hrs Mean:	-0.4	+0.1	-0.1	-0.1	+0.1	+0.0	+0.4	+0.1
After re-drying for 24 hrs at 60°C Mean:	-0.4	+0.1	0.0	-0.1	+0.1	+0.1	+0.4	+0.2
After conditioning for 48 hrs at 65%rh Mean:	-0.2	+0.1	0.0	0.0	+0.1	+0.1	+0.5	+0.2

The sign - denotes shrinkage and + expansion.

Description of Final Appearance of Test Specimen

No apparent change



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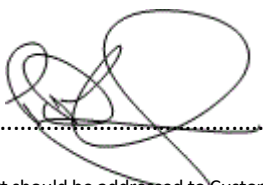
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Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

Reported by:  J Brewster, Section Leader

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.





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Uncertainty Budget

The overall uncertainty budget for BS ISO 2551 is as follows:-

Dimensional change $\pm 0.05\text{mm}$ at each position.

Vertical distortion $\pm 0.5\text{mm}$ per measurement.

