



Confidential Report

Our Ref: 29/03671/09/25



Date: 06 November 2025

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Your Ref: 5821

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Client: Wooltex UK Ltd

Woodland Mill
Dale Street
Longwood
Huddersfield
HD3 4TG

Job Title: Colour Fastness to Light Test on One Sample of Fabric

Clients Order Ref: 5821

Date of Receipt: 29 September 2025

Description of Sample: One sample of fabric, referenced; Twisted Flower, 112.

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

BS EN ISO 105:B02 (Method 2, up to Grade 7) - Colour Fastness to Light

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

Note: This report relates only to the items tested.



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Colour Fastness to Artificial Light: Xenon Arc Fading Lamp Test

The sample was tested in accordance with BS EN ISO 105-B02:2014 - Method 2 (ISO 105-B02:2014) using the following:-

| | |
|-------------------------------------|----------------------------|
| Apparatus: | Xenotest 220 |
| Exposure conditions: | normal (exposure cycle A1) |
| Test mode: | not flip-flop |
| Blue wool reference materials used: | 2 to 7 |

By comparison with the behaviour of the blue wool reference materials, the numerical rating for the colour fastness to light is given below – 1 represents very low colour fastness to light, through to 8 which represents very high colour fastness to light.



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| <u>Shade</u> | <u>Colour fastness to light rating</u> |
|--------------|--|
| 112 | 6/7 |
| 122 | 6/7 |
| 142 | 6/7 |
| 162 | 6 |
| 172 | 6 |
| 182 | 5/6 |
| 192 | 5/6 |
| 222 | 7 |
| 244 | 7 |
| 342 | 6/7 |
| 352 | 6 |
| 372 | 6 |
| 462 | 6/7 |
| 562 | 6 |
| 652 | 6/7 |
| 672 | 6/7 |
| 682 | 6/7 |
| 762 | 6 |
| 792 | 6 |
| 962 | 6 |
| 972 | 5/6 |



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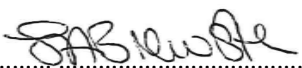

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Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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

Reported by:  J Brewster, Section LeaderCountersigned by:  K Marshall, Section Leader

Enquiries concerning this report should be addressed to Customer Services.



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Uncertainty Budget

The overall uncertainty budget for BS EN ISO 105-B02 is as follows:-

Overall uncertainty ± 1 Grade

