



Client: Sirdar Spinning Ltd
Flanshaw Lane
Wakefield
WF2 9ND

Entry No: 49667

CONFIDENTIAL TEST REPORT

Job Title: EN ISO 11612:2008
Date Received: 23rd February 2012
Date Tests Completed: 5th March 2012
Client's Description: Sample of fabric TTP025
Performance Standard: Testing to EN ISO 11612:2008
Clause 6.2 Heat resistance
Clause 6.3 Limited flame spread (A1 surface ignition)
Clause 6.4 Dimensional change
Clause 6.5.1 Tensile strength
Clause 6.5.2 Tear strength
Clause 7.2 Convective heat (B)
Clause 7.3 Radiant heat (C)
Clause 7.6 Contact heat (F)
Pre-treatment: Tests were made after 5 washing cycles in accordance with ISO 6330:2000 Procedure 2A at 60°C Drying Procedure E. The tumble drying was carried out after the completion of each wash.
For clause 6.3 tests were made before and after the 5 washing cycles as described above.

In accordance with Annex G of EN ISO 11612:2008 the uncertainty of measurement associated with the test methods was not taken into account.

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This is hereby certified to be a correct return of the tests made of the items referred to herein.



1104

H Mackereth

Helen Mackereth
Senior Technician
6th March 2012

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days
- ❖ Test marked (*) in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
- ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- ❖ This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.





**West Yorkshire
Materials Testing
Service**

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Head of Laboratory G. Briggs C. Text ATI

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Clause	Test Method	EN ISO 11612 Requirement & Performance Levels	Results	Pass/Fail or Level
6.2 Heat resistance	ISO 17493:2000 at 180°C	No ignition No melting Maximum shrinkage 5%	No ignition No melting Shrinkage: Warp -1.6% Weft -1.2%	PASS
6.3 Limited flame spread (A1)	ISO 15025:2000	No flaming to top or side edge No hole formation No flaming, melting or molten debris Mean afterflame ≤ 2s Mean afterglow ≤ 2s	<u>Surface ignition as received</u> No flaming to top or side edge No hole formation No flaming, melting or molten debris No afterflame Mean afterglow = 2 s <u>Surface ignition after 5 washing cycles</u> No flaming to top or side edge No hole formation No flaming, melting or molten debris No afterflame No afterglow	PASS A1
6.4 Dimensional change	ISO 5077	Maximum ± 3% (- indicates shrinkage) (+ indicates extension)	Warp -3.0% Weft -2.0%	PASS
6.5.1 Tensile strength	ISO 13934-1:1999	Minimum 300 N in both warp and weft directions	Warp 800 N Weft 570 N	PASS
6.5.2 Tear strength	ISO 13937-2:2000 (electronic recording)	Minimum 15 N in both warp and weft directions	Torn across warp 19 N Torn across weft 18 N	PASS

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7.2 Convective heat (B)	ISO 9151:1995	Range of HTI ₂₄ Values Performance Levels (s) min. max. B1 4.0 < 10.0 B2 10.0 < 20.0 B3 20.0	Specimen 1 6.6 Specimen 2 6.8 <u>Specimen 3</u> 7.0 Result based on lowest HTI ₂₄ 6.6	LEVEL B1
7.3 Radiant heat (C)	ISO 6942:2002 Method B heat flux 20 kW/m ²	Heat Transfer Factor RHTI ₂₄ Performance Levels (s) min. max. C1 7.0 < 20.0 C2 20.0 < 50.0 C3 50.0 < 95.0 C4 95.0	Specimen 1 14.4 Specimen 2 14.6 <u>Specimen 3</u> 14.5 Result based on lowest RHTI ₂₄ 14.4	LEVEL C1
7.6 Contact heat (F)	ISO 12127 at 250°C	Threshold time (s) Min. Max. F1 5.0 <10.0 F2 10.0 <15.0 F3 15.0	Specimen 1 4.6 Specimen 2 4.7 <u>Specimen 3</u> 4.8 Result based on lowest t _t 4.6	NO LEVEL

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