

C004

Page 1 of 2

Date: 9 January 2003

Client: Waxman Fibres Ltd
Grove Mills
Eiland
West Yorkshire
HX5 9DZ

Job title: Testing of one knitted fabric

Client's order or ref no: Letter 17 December 2002

Date of receipt: 18 December 2002

Description of sample(s): One knitted fabric, referenced:
Code: TR-01
Article Ref: CT0189 – 22 Gauge Interlock T304
Colour: Grey Marl
Composition: 60% Protex – 40% Cotton Nm 1/50
Fabric Weight: 210g/m²
Finishing: Stentered & piece dyed (cotton side only)

Supplier: Toledo Knitting
Dunsil Road
Brookhill Industrial Estate
Pinxton
Nottingham
NG16 6NT

Work requested: Testing to EN 531: 1995

This is a summary report detailing the results as required by the EN 531: 1995 performance standard. All test methods are UKAS accredited.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

This report is incomplete without all the pages specified above,
together with a copy of our standard terms of business (see <http://www.bttg.co.uk>)

BRITISH TEXTILE TECHNOLOGY GROUP

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res Ltd

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Performance Standard: EN 531: 1995
 (a) Clause 5.2 Dimensional change
 (b) Clause 6.2 Limited flame spread
 (c) Clause 6.3 Convective heat
 (d) Clause 6.4 Radiant heat

Pretreatment: For tests 5.2 and 6.2 five cycles of washing according to ISO 6330: 1984 Procedure 5A (40°C) followed by line drying according to ISO 6330: 1984 Procedure A.
 For tests 6.3 and 6.4 tested in the "as received" condition.

Summary of Results:

PROPERTY	TEST METHOD	EN 531 REQUIREMENTS		RESULTS OBTAINED		PASS/FAIL OR LEVEL
5.2 Dimensional change	ISO 5077: 1984	Max $\pm 3\%$ (- = shrinkage)		<u>Length</u> -2.1%	<u>Width</u> -1.5%	PASS
6.2 Limited flame spread (A)	EN 532: 1992	No flaming to edge No hole formation No flaming debris Mean afterflame $\leq 2s$ Mean afterglow $\leq 2s$		No flaming to edge No hole formation No flaming debris No afterflame Mean afterglow = 1.2s		PASS A
6.3 Convective heat (B)	EN 367: 1992	<u>Level</u>	<u>HTI</u>	<u>Specimen</u>	<u>HTI</u>	LEVEL B1
		B1	3-6	1	5.2	
		B2	7-12	2	5.3	
		B3	13-20	3	5.4	
		B4	21-30	Rounded Mean 5		
		B5	31→			
6.4 Radiant heat (C)	EN 366: 1993 Method B at 20kW/m ²	<u>Level</u>	<u>t_{2,s}</u>	<u>Specimen</u>	<u>t₂</u>	LEVEL C1
		C1	8-30	1	14s	
		C2	31-90	2	14s	
		C3	91-150	3	13s	
		C4	151→	Rounded Mean 14s		

Reported by: *A. Newton* A Newton

Countersigned by: *P. M. Eaton* P M Eaton

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