



Our Ref: SW/PN/GL

1 September 2016

Report 280425

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Contact: Danny Chidgey

DATE RECEIVED	:	22 AUGUST 2016
QUALITY REFERENCE	:	POLAR FLEECE
REPUTED FIBRE CONTENT	:	100% POLYESTER
FABRIC DESCRIPTION	:	FLEECE
COLOUR/DESIGN	:	WHITE

REQUEST: Flammability in accordance with The Nightwear (Safety) Regulations 1985
(Statutory Instrument 1985 No 2043)

COMMENTS: The fabric submitted complies with the flammability performance requirements of The
Nightwear (Safety) Regulations 1985. (Statutory Instrument 1985 No 2043)

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LABORATORY DIRECTOR

P. NEESAM
HEAD OF FLAMMABILITY

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FIRE TESTS ACCORDING TO BS 5722:1984. Flammability in accordance with The Nightwear (Safety) Regulations 1985 (Statutory Instrument 1985 No 2043)

Procedure

Specimens of Polar Fleece (100% Polyester) were subjected to 1 wash cycle of the 50°C domestic wash specified in BS 5651: 1978, and were then conditioned in an atmosphere having a temperature of 20 ± 5°C, and a relative humidity of 60 ± 5% for at least 24 hours.

They were then tested using the method in BS 5438:1976 (Test 3) as required by BS 5722: 1984.

Requirements

For Test 3, when using a 10 second flame application time: -

None of the six specimens shall sever the 300mm trip thread in less than 25 sec.

None of the six specimens shall sever the 600mm trip thread in less than 50 sec.

Results

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

They also only relate to the materials tested. They do not guarantee to represent the performance of production materials.

Specimen Direction	1↑	2↓	3↑	4→	5←	6→
Number Of Pieces To Produce Sample	1	1	1	1	1	1
Afterflame (secs)	25.5	38.3	40.1	64.2	51.1	67.7
Time To Sever 300 Trip (secs)	NS	NS	NS	NS	NS	NS
Time To Sever 600 Trip (secs)	NS	NS	NS	NS	NS	NS
Flaming Debris Observed	Yes	Yes	Yes	Yes	Yes	Yes

Comments

NS: Not Severed

The fabric submitted complies with the flammability performance requirements of The Nightwear (Safety) Regulations 1985. (Statutory Instrument 1985 No 2043)