

Certificate of Test



For

Unitika Limited
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Chuo-ku
Osaka
Japan
541-8566

Our reference SPC0219070/1342/02
Date 18th February 2014

Product

Retro-reflective material referenced Unitika Sparklite flame retardant fabric MR-891C

Test Data

EN ISO 20471:2013 requirements clauses:-

6.1 Table 4	
Retro-reflective performance of new material	PASS
6.2 Table 6 – retro-reflective performance after test exposure	
Abrasion	PASS
Flexing	PASS
Folding at cold temperature	PASS
Temperature variation	PASS
Domestic washing, 60°C (ISO 6330 - 50 cycles)	PASS
Dry cleaning, normal (ISO 3175 - 50 normal cycles)	PASS
Industrial wash, 75°C & cabinet drying at 160°C (ISO 15797 - 50 cycles)	PASS
Influence of rainfall	PASS
Flammability performance	
EN469:2005, Clause 6.1, Annex B.3.2 (as received)	PASS
EN469:2005, Clause 6.1, Annex B.3.2 (wash 60°C 50 cycles)	PASS
EN469:2005, Clause 6.1, Annex B.3.2 (ISO 15797, 75°C - 40 cycles)	PASS
EN469:2005, Clause 6.1, Annex B.3.2 (dry cleaning 50 cycles)	PASS
EN469:2005, Clause 6.5, Annex B.3.1	PASS
BS EN ISO 14116:2008 Limited Flame Spread - As received, after ISO 6330 wash 60°C 50 cycles, ISO 15797, 75°C - 40 cycles - Index 3	PASS

Description

Retro-reflective separate performance material

Recommendations

The following test reports provide full details of test data:

SPC0200088/01, SPC0216971/1331/04, SPC209130/1245/3/2, SPC0219070/1342/02

Report date

18th Feb. 2014

Tests marked † fall outside the UKAS Accreditation Schedule for SATRA.

All interpretations are outside the scope of UKAS

Accreditation and are based on SATRA experience.

This report is designed to indicate the performance of the sample tested by SATRA. SATRA have not approved the on-going quality control. It is the responsibility of purchasers to satisfy themselves that other production batches perform similarly.

SIGNATURE

M Gamble
PPE Technologist
Safety Products Centre