



Confidential Report

Our Ref: E-014003/C



1066

Notified Body
for PPE Directive,
Construction Products Regulation
& Marine Equipment Directive
I.D. No. 0338



TESTING • CERTIFICATION • AUDITING

Formosa Taffeta Co., Ltd.

Client: Formosa Taffeta Co., Ltd.
11F, 201 Tun-hwa N. Rd.
Taipei City
Taiwan

Job Title: Testing of one woven fabric

Client's Order No: -

Date of Receipt: 23rd April 2020
Date of Test Start: 10th May 2020

Description of Sample(s): One white coloured, woven fabric, identified as follows, was received for testing:
(54%FR Viscose/ 20% Wool/ 20% Nylon/ 5% Aramid/ 1%AS) 370gsm; C

Work Requested: We were asked to make tests according to the following standard:

EN ISO 11612: 2015
Clause 7.5 Molten iron splash

In the "as received" condition

Unit 6, Wheel Forge Way, Trafford Park,
Manchester, M17 1EH, UK.
Telephone: +44 (0) 161 876 4211
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Website: www.bttg.co.uk

Date: 15 May 2020

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Formosa Taffeta Co., Ltd.

Sample: (54%FR Viscose/ 20% Wool/ 20% Nylon/ 5% Aramid/ 1%AS) 370gsm; C

Performance Standard: EN ISO 11612: 2015 Clause 7.5 Molten iron splash

Test Method: EN ISO 9185: 2007

Metal: Iron (>97% purity)
Pouring Temperature: $1400 \pm 20^{\circ}\text{C}$
Pouring Height: $225 \pm 5\text{mm}$
Specimen angle to the horizontal: $75 \pm 1^{\circ}$

Cleansing Pretreatment: None, tested in the "as received" condition.

Summary of Results:

EN ISO 11612: 2015 states the following:

- "All the individual results of the specimens of a test shall meet the performance requirement"
- "The average result shall be given"
- "The estimate of uncertainty shall be applied when it may affect the rating or classification of a property"

For the purposes of assessing the sample, BTTG™ uses the following parameters:

1. The worst individual test result.
2. The mean result after uncertainty of measurement has been applied.



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Sample: (54%FR Viscose/ 20% Wool/ 20% Nylon/ 5% Aramid/ 1%AS) 370gsm; C

Summary of Results:

Measured fabric mass per unit area (not UKAS accredited): 458g/m²

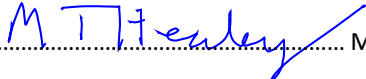
Test No.	Mass of metal	Residue g	Metal poured g	Metal adhered to fabric, Yes /No	Appearance of skin simulant
1	208	6	202	No	Undamaged
2	208	6	202	No	Damaged <5mm
3	208	5	203	No	Undamaged
4	208	5	203	No	Damaged <5mm

Assessment:

Property	EN ISO 11612 Requirements		Result Obtained	Level
7.5 Molten iron splash (Code letter E)	<u>Level</u>	<u>Iron</u>	Molten Metal Splash Index > 200g	E3
	E1	≥ 60g		
	E2	≥ 120g		
	E3	≥ 200g		

The 95% confidence limit for this test is ±1.7% of the measured value. The estimation of uncertainty of measurement has not been taken into account when making a judgement to the pass/fail criteria.

Reported by:  P M Collinson, Section Leader PPE Laboratory

Countersigned by:  M T Healey, Principal Technician

Note: This report relates only to the samples submitted and as described in the report.
Enquiries concerning this report should be addressed to Customer Services.

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Photograph of tested sample and skin simulant



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