



ELECTROSTATICS

Confidential Report

Our Ref: 2401472B/9/12

Notified Body
for PPE Directive,
Construction Products
Directive & Marine Equipment
Directive
I.D. No. 0338 & 0339

BTTG Testing & Certification Ltd.
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24 September 2012

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Client: Xin Meng Investment Limited
Room 2201
No 18 Shun Yi Road
Shanghai 200063
China Peoples Republic

Job Title: **Induction Decay Test on One Sample of Fabric**

Clients Order Ref:

Date of Receipt: 13 September 2012

Description of Sample: One sample of fabric.
Product: 100% Cotton 350gsm Satin 4/1 FR
Code: 99C/1AS-350FR-S
Article: ETNA
Colour: ---

Work Requested: BTTG were requested to carry out an Induction Decay Test on the sample supplied.





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Determination of Width between Conductive Threads

The width of the gap between the conductive threads was measured in five areas with a steel rule.

	<u>Width of Gap (mm)</u>
	8.0
	8.0
	8.0
	8.0
	<u>8.0</u>
Mean:	8.0

Determination of Induction Decay Time

The sample was washed five times in accordance with BS EN ISO 6330:Procedure 6A: 2001 at 40°C using ECE detergent and was dried in a tumble drier (procedure E).

After drying, the sample was conditioned and tested at 23 ± 1 °C and 25 ± 5 % r.h.

The charge decay time and shielding effect were measured according to BS EN 1149-3: 2004 Method 2 (induction charging).

	<u>Shielding Factor (S)</u>	<u>Half Decay Time, t_{50} (Secs.)</u>
	0.77	<0.01
	0.76	<0.01
	<u>0.75</u>	<u><0.01</u>
Mean:	0.76	<0.01





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Comments

In our opinion, based on the tests carried out on the sample supplied;

- a) for a material containing conductive threads in a stripe or grid pattern the spacing of the conductive threads in one direction shall not exceed 10mm.
- b) the results of BS EN 1149-3:Method 2:2004 meets the requirements specified in BS EN 1149-5:2008 of the shielding factor being greater than 0.2 and/or the half decay time being less than 4 seconds.

An estimation of uncertainty of measurement has not been taken into account when making a judgement to any pass/fail criteria.

Reported by:  K Pillinger, Laboratory Technician

Countersigned by:  P Doherty, Operational Head

Enquiries concerning this report should be addressed to Customer Services.

