



FIRE
TECHNOLOGY
SERVICES

Confidential Report

Our Ref: 30/06314/3

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

BTTG Fire Technology Services
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13 August 2012

Page 1 of 3

Our Ref: 30/06314/3

Client: Arvind Polycot
Near Khatraj
Tal-Kalol
Dist-Gandhinagar
Gujarat 382721
India

Job Title: Induction decay testing of one woven fabric

Clients Order Ref: Email 12 July 2012

Date of Receipt: 16 July 2012

Description of Sample: Orange woven fabric with anti-static grid, referenced:
Arvind Ref No. 94984
98% Cotton, 2% Anti-static, 320g/m² Twill

Work Requested: Induction decay testing to EN 1149-3
(with 5x cleansing pretreatment at 60°C)





13 August 2012

Page 2 of 3

Our Ref: 30/06314/3
Arvind Polycot

Sample: Orange woven fabric with anti-static grid, referenced:
Arvind Ref No. 94984
98% Cotton, 2% Anti-static, 320g/m² Twill

Performance Standard: EN 1149-5: 2008

Test Method: EN 1149-3: 2004 Method 2 Induction decay
Conditioning and testing carried out at 23 ± 1°C, 25 ± 5% r.h.

Cleansing Pretreatment: Five wash/dry cycles according to EN ISO 6330: 2000 Procedure 2A (60°C)
with tumble drying (Procedure E) (max. 70°C outlet temperature).

Summary of Results:

Determination of width between conductive threads

Measurement	Width of Gap (mm)
1	9.0
2	9.0
3	9.0
4	9.0
5	9.0
Mean	9.0

Determination of induction decay time

Shielding Factor (S)	Half Decay Time (t ₅₀), s
0.76	< 0.01
0.77	< 0.01
0.77	< 0.01
Mean 0.77	Mean < 0.01





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Page 3 of 3

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Arvind Polycot

Sample: Orange woven fabric with anti-static grid, referenced:
Arvind Ref No. 94984
98% Cotton, 2% Anti-static, 320g/m² Twill

Assessment:

EN 1149-5 REQUIREMENTS	RESULT OBTAINED	PASS/FAIL
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.	Spacing = 9.0mm	PASS
Shielding Factor (S) greater than 0.2 and / or Half Decay Time (t ₅₀) less than 4 seconds	Shielding Factor (S) = 0.77 Half Decay Time (t ₅₀) = < 0.01s	PASS

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

Reported by:..... *A Didycz*..... A Didycz, Laboratory Technician
Countersigned by:..... *P M Eaton*..... P M Eaton, Operational Head

