



**Fire Research & Characterisation**

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**Summary**

The sample of Polyester fabric, supplied by Solar Solve Ltd. and tested in accordance with IMO A.563(14), detailed in this report, has been found to comply with the following results:

Parameter	Results	
	Max. Deviation	Min. Deviation
<b>Average Weight (g)</b>	2.5	2.5
<b>Average Flame Loss (%)</b>	4	4
<b>Average Length (mm)</b>	37	37
<b>Flaming Time (s)</b>	76	76
<b>Average Mass (g)</b>	1.4	1.4

**FIRE CHARACTERISATION TEST REPORT**

**Customer:** Solar Solve Ltd.  
 7 St Hilda Industrial Estate  
 South Shields  
 Tyne & Wear  
 NE33 1RA

**Material Description:** Polyester Fabric

**Test Specification:** IMO Resolution A.563(14)  
 Resistance to flame of vertically supported  
 textiles and films

**Date:** 17<sup>th</sup> May 2005



This report relates only to the specimen(s) tested and shall not be reproduced except in full without the written approval of the testing laboratory

## Summary

The sample of Polyester fabric, supplied by Solar Solve Ltd., submitted for testing in accordance with IMO A.563(14), detailed in this report, PASSED the requirements of the standard with the following results:-

Parameter	Results	
	Warp direction	Weft direction
Average weight per unit area of material (g)	5.95	5.95
Average Afterflame time (s)	4	4
Average Length of char (mm)	32	32
Flaming droplets	No	No
Average burn rate (mm s <sup>-1</sup> )	5.4	7.8

"These tests alone do not assess the fire hazard of the material, or a product made from this material, under actual fire conditions. Consequently, the results of these tests shall not be quoted in support of claims with respect to the fire hazard of the material or product under actual fire conditions. The results when used alone should only be used for research and development, quality control and material specifications."