



Ultraviolet Protection Factor Report

Analysed for: Splash About

ARPANSA Reference: 5944-1

Customer Reference: 1667

Sample Information

Sample Type: Nylon/Elastane

Sample Colour: Sea Creatures Print

Analysis Date: 03/07/2006

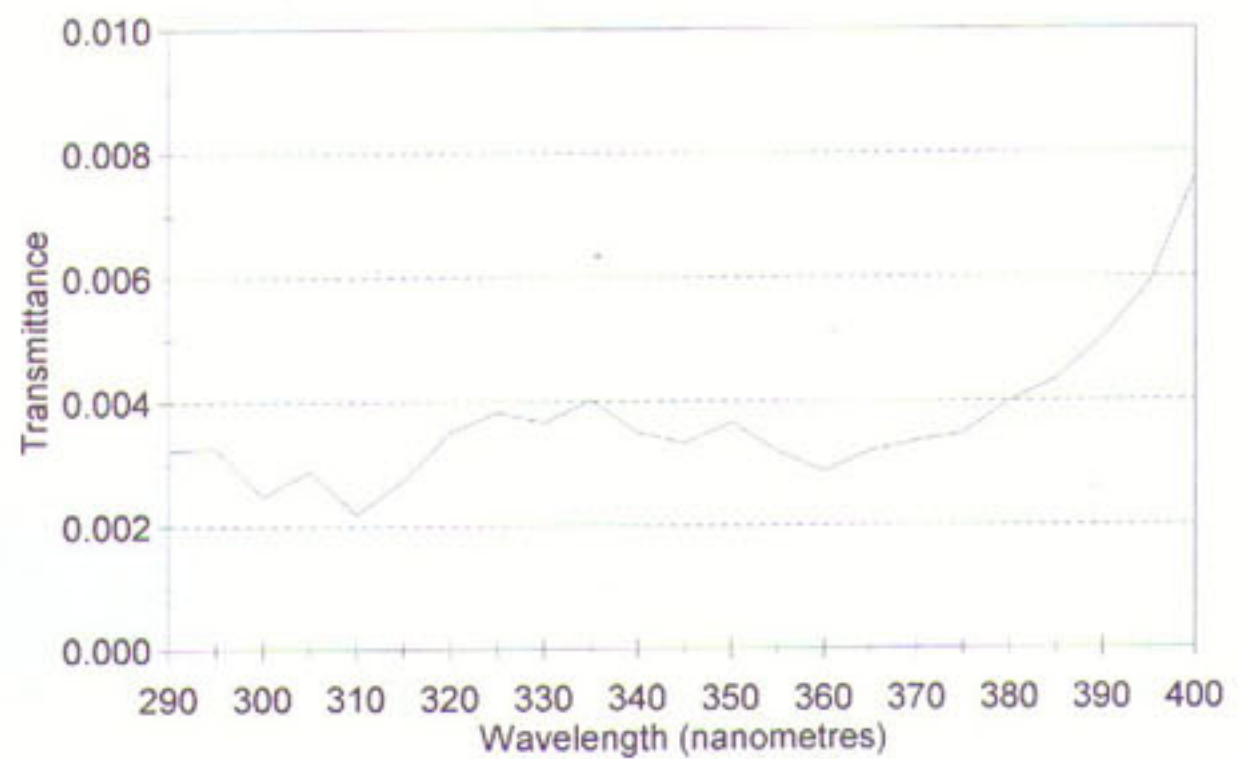
Instrumentation: Labsphere UV-1000F s/n 018287

Description: Sea Creatures Print 237gsm 83%/17% Nylon/Elastane Floatsuit Fabric

Protection Factor Results

Number of Specimens Analysed:	8
Mean UVB Transmittance:	0.003
Mean UVA Transmittance:	0.004
Mean UPF:	370
Standard Deviation:	81
Standard Error of the Mean:	100
Rated UPF:	50+
Protection Category:	Excellent

UV Transmittance Characteristics



Statistical Uncertainties

Total Measurement Uncertainty:	100
Coverage Factor (99% confidence):	3.50

The maximum instrumental contribution to the uncertainty in the transmittance values $T(\lambda)$ used to calculate the results is 0.0010 at the 99% confidence level.

Review of Results

This fabric is effective as protection against solar ultraviolet radiation (UVR) as it has an ultraviolet protection factor (UPF) greater than 15. A material with a rating of UPF 15 reduces the amount of solar UVR by a factor of 15.

A UPF rating of 50+ qualifies this fabric for the UPF Excellent protection category. The assigned UPF rating of 50+ may be quoted for advertising purposes.

The UPF rating is for the material only and does not address the design of the product. A garment can only protect the areas of skin that are covered by the material.

Disclaimer

Unless otherwise stated the sample was tested unstretched and dry. This report has been prepared in accordance with standard AS/NZS4399: 1996 - Sun protective clothing - Evaluation and classification, Appendix A. The solar spectrum described in table B2 of this standard was used to calculate the protection factor results. The results in this report are applicable to the sample tested and may not apply to other batches of the same material or similar materials. It is a condition of the provision of these test results that you do not use the name of the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) or the Commonwealth of Australia, or any words, marks or devices which may imply a connection with ARPANSA or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless the ARPANSA has given express written authority to do so. This test report may only be reproduced in full and without alteration.

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Material Sample



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