



Ultraviolet Protection Factor Report

Analysed for: Whitsunday Discount Marine

ARPANSA Reference: 10867-1

Customer Reference: 2910

Sample Information

Sample Type: Nylon/Elastane

Sample Colour: Black/Dark Blue

Analysis Date: 31/03/2016

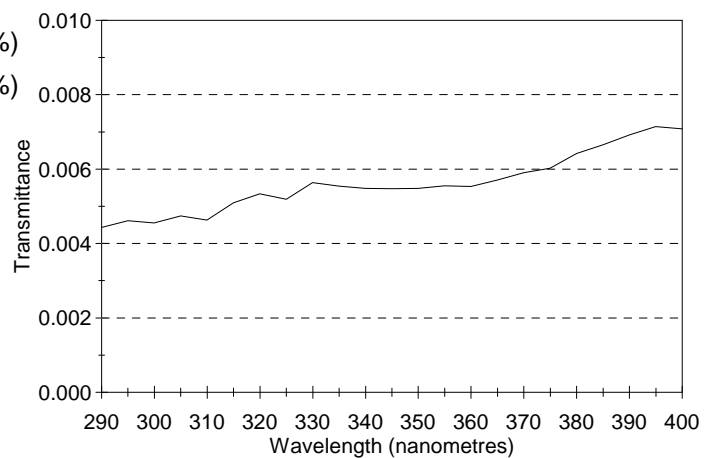
Instrumentation: Labsphere UV-1000F s/n 5239

Description: Black/Dark Blue 82%/18% Nylon/Spandex Spanflex Stinger Suit

Protection Factor Results

Number of Specimens Analysed:	8
Mean UVB Transmittance:	0.005 (0.5%)
Mean UVA Transmittance:	0.006 (0.6%)
Mean UPF:	220
Standard Deviation:	48
Standard Error of the Mean:	60
Rated UPF:	50+
Protection Category:	Excellent

UV Transmittance Characteristics



Statistical Uncertainties

Total Measurement Uncertainty:	60
Coverage Factor (99% confidence):	3.50

The maximum instrumental contribution to the uncertainty in the UPF result is 6.5% of the highest reportable value at the 95% confidence level.

Review of Results

This garment 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 garment for the UPF Excellent protection category. The assigned UPF rating of 50+ may be quoted for advertising purposes.

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. The sample testing was performed within a temperature range of 20±5 degrees celsius and a humidity range of 50±20% relative humidity. 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.
ARPANSA Document ID: NIR-UPF-FORM-0200D-R8-08/03/2016

Material Sample



31/03/2016

31/03/2016

Kath Fox - Technician

Alan McLennan - Approved Signatory

Page 1 of 1



NATA Accredited Laboratory

Number: 14442

Accredited for compliance with ISO/IEC 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards of measurement.

619 Lower Plenty Road
Yallambie, Victoria 3085
Phone: +61 3 9433 2309
Fax: +61 3 9432 2223
E-mail: upf-testing@arpansa.gov.au
Web: http://www.arpansa.gov.au

