



Australian Government

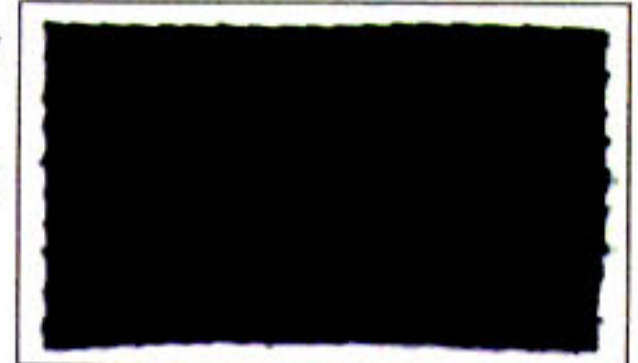
Australian Radiation Protection and Nuclear Safety Agency

Ultraviolet Protection Factor Report

Sample Information

Analysed for: Splash About Customer: 1667
 Description: Navy 182gsm 92/8 Polyester/Elastane Superfine Single Jersey Plain Knit Babies Safe In Sun Suit Fabric, Fantastic Enterprise, Taiwan
 Colour: Navy
 Type: Polyester/Elastane
 Date of Analysis: 12/10/2004
 ARPANSA Reference: 4975-2

Material Sample



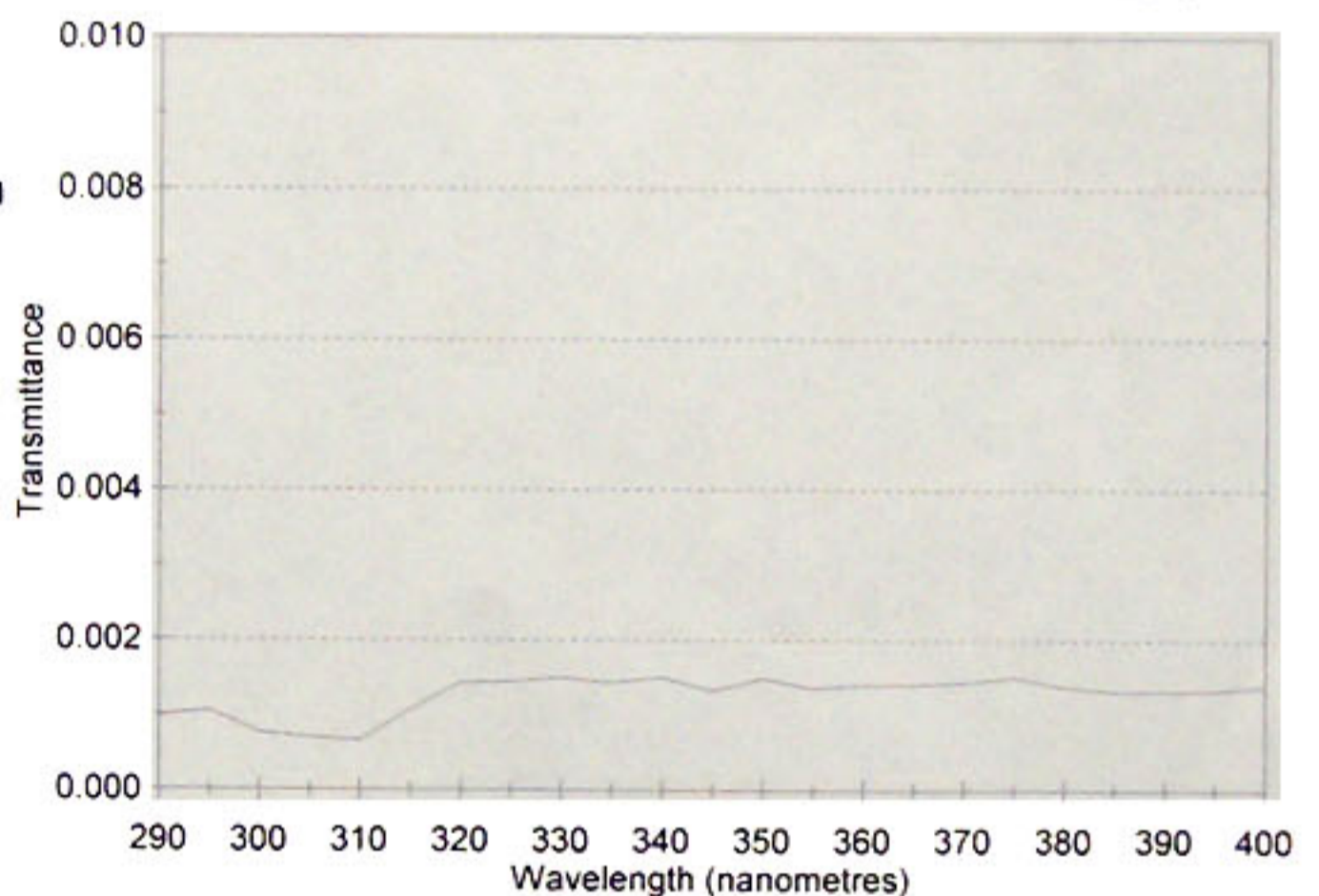
Analysis Conditions

Sample State: Dry
 Sample Tension: Unstretched
 Analysis Method: Spectroradiometric Scan

Protection Factor Results

Number of Specimens: 8
 Mean UVB Transmittance: 0.001
 Mean UVA Transmittance: 0.001
 Mean UPF: >300
 Standard Deviation: n/a
 Standard Error of the Mean: n/a
 Rated UPF: 50+
 Protection Category: Excellent

UV Transmittance Characteristics



Review of Results

The coverage factor (t-variate in AS/NZS4399) for a 99% confidence interval is 3.50. The maximum instrumental contribution to the uncertainty in the transmittance values $T(\lambda)$ used to calculate the results is 0.0006 at the 99% confidence level.

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

Alan McLennan 12/10/2004

Alan McLennan - Technician

John Javorniczky 12/10/2004

John Javorniczky - ARPANSA Signatory



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 the Australian Radiation Protection and Nuclear Safety Agency or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless the Australian Radiation Protection and Nuclear Safety Agency has given express written authority to do so. This test report may only be reproduced in full and without alteration.

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