Australian Government

Australian Radiation Protection and Nuclear Safety Agency

# Ultraviolet Protection Factor Report

**Analysed for:** Extreme Marquees

**ARPANSA Reference:** 8587-1 **Customer Reference:** 2267

## Sample Information

**Sample Type:** PVC **Sample Colour:** Green

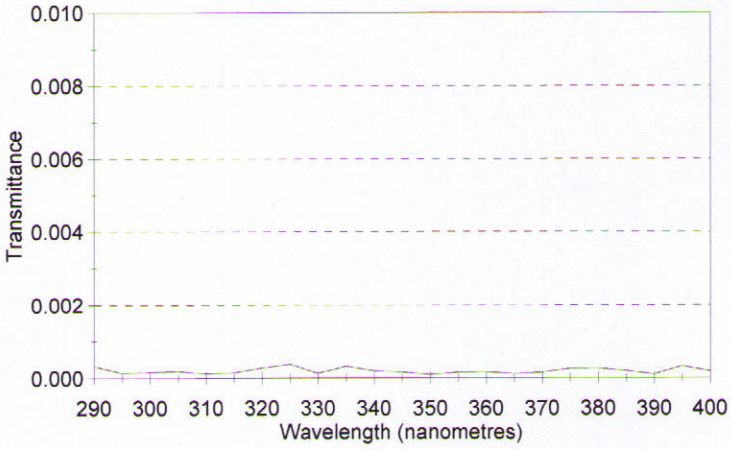
**Analysis Date:** 07/07/2011 **Instrumentation:** Labsphere UV-1000F s/n 018287

**Description:** Green 100% PVC, 593gsm

## Protection Factor Results

| | |
|---|---|
| **Number of Specimens Analysed:** | 8 |
| **Mean UVB Transmittance:** | 0.000 |
| **Mean UVA Transmittance:** | 0.000 |
| **Mean UPF:** | >300 |
| **Standard Deviation:** | n/a |
| **Standard Error of the Mean:** | n/a |
| **Rated UPF:** | **50+** |
| **Protection Category:** | **Excellent** |

## UV Transmittance Characteristics




## Statistical Uncertainties

| | |
|---|---|
| **Total Measurement Uncertainty:** | n/a |
| **Coverage Factor (99% confidence):** | 3.50 |

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

## Review of Results

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

Note that shade structures may not provide protection against reflected or scattered solar ultraviolet radiation.

Note that this material may be outside the scope of AS/NZS4399 as it is not personal sun protective clothing.

This report is an amendment of report 8587-1.

## Disclaimer

## Material Sample



*ARPANSA Document ID: NIR-UPF-FORM-0200D-R5-15/04/2010*



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