



# Ultraviolet Protection Factor Report

AS 4399:2020

Analysed for: Customer name

ARPANSA Reference: 13142-1

Customer Reference: 628

## Sample Information

Sample Type: Polyester/Viscose

Sample Colour: Navy

Analysis Date: 08/02/2021

Instrumentation: Labsphere UV-1000F s/n 5239

Description: Navy 115gsm 65%/35% Polyester/Viscose

## Protection Factor Results

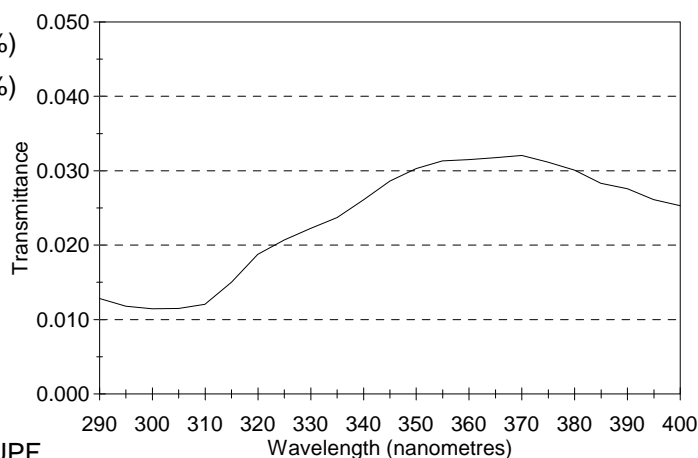
Number of Specimens Analysed: 8  
Mean UVB Transmittance: 0.012 ( 1.2%)  
Mean UVA Transmittance: 0.027 ( 2.7%)  
Mean UPF: 71  
Standard Deviation: 8.7  
Rated UPF: 50+  
UPF Classification: Excellent protection

## Statistical Uncertainties

Total Measurement Uncertainty: 11  
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.

## UV Transmittance Characteristics



## Review of Results

This fabric is considered to be effective as protection against solar ultraviolet radiation (UVR) as it has an ultraviolet protection factor (UPF) greater than 15. A Rated UPF of 50+ qualifies this fabric for a UPF classification of Excellent protection. The Rated UPF of 50+ may be quoted for advertising purposes.

This test report provides UPF results for the material tested. This report does not consider the design or body coverage of the product.

## Disclaimer

*This report was prepared using the testing method from AS 4399, Appendix A using the solar spectrum described in Appendix A.8(c) Note 1. Unless otherwise stated the sample was tested in unstretched, dry condition. Any deviation from the standard method is noted in the body of the report. The results in this report are applicable to the sample tested and may not apply to other batches of the same material, other colours or similar materials. Testing was performed within a temperature range of 20±5 degrees celcius 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 without the prior written approval of ARPANSA. This test report may only be reproduced in full and without alteration.*

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## Material Sample



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Technician

Approved Signatory

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