Australian Government
Australian Radiation Protection and Nuclear Safety Agency

arpansa

Ultraviolet Protection Factor Report

Analysed for: Customer name

AS4399:2020

ARPANSA Reference: UVR_23-0069-4

Analysis Date: 1 Jun 2023

Sample Information

Sample Weight: 220 gsm

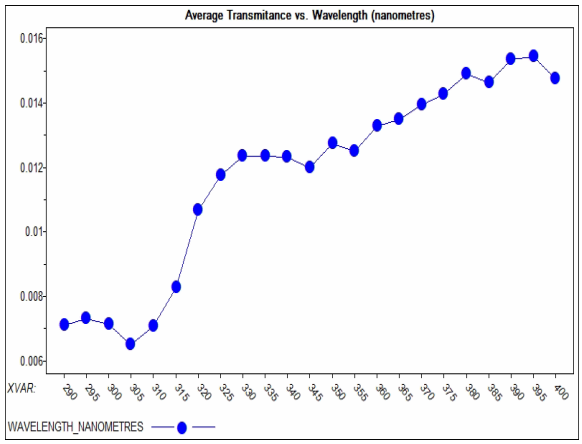
Instrumentation: Labsphere UV-1000F s/n 5239

Description: Red 85%/15% Polyester/Elastane

Protection Factor Results

Number of Specimens Analysed:	8	
Mean UVA Transmittance:	0.013	(1.3%)
Mean UVB Transmittance:	0.007	(0.7%)
Mean UPF:	141	
Standard Deviation:	47.4	
Rated UPF:	**50+**	
UPF Classification:	**Excellent Protection**	

UV Transmittance Characteristics



Statistical Uncertainties

Total Measurement Uncertainty:	58.7
Coverage Factor (99% Confidence):	3.50

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 B. 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.

Material Sample

1 Jun 2023

Technician

1 Jun 2023

Approved Signatory

NATA WORLD RECOGNISED ACCREDITATION

NATA Accredited Laboratory Number: 14442

Accredited for compliance with ISO/IEC 17025 - Testing

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