



Customer: THE GARDEN FURNITURE CENTRE LTD **Test Report No:** 176237

Test Results

***Solar UV Protective Properties for Textile Material (BS EN 13758-1:2001+A1:2006)**

Test conditions

- 1 Air temperature: 21±1°C
- 2 Relative humidity: 65±2% R.H.
- 3 Orientation of test specimen: Specimens were clamped on sample holder. Fabric face side is facing the incident UV light.
- 4 Test conducted in wavelength range 290-400 nm
- 5 Instrument: UV-VIS Spectrophotometer
- 6 No. of Scans: 8

Test sample: As Received

Test results:

Number of specimens:	1	2	3	4	5	6	7	8	Mean
Mean UVA transmission (%):	0.78	0.72	0.69	0.64	0.64	0.72	0.79	0.73	0.71
Mean UVB transmission (%):	0.55	0.50	0.48	0.44	0.43	0.51	0.55	0.51	0.50
Mean UPF:	191	207	221	239	243	205	188	206	213
Std. Deviation:									20.22
Std. Error:									16.87
Sample UPF:									>50

Comment: Sample complies with the UPF 40+ requirement

Remarks :

1. According to BS EN 13758-2:2003+A1:2006, in order to fulfill the requirement, below criteria should be met:
The clothing assembly shall have the lowest UPF value larger than 40 and average UV-A transmission smaller than 5%. Clothing assembly meet design requirement.
2. The results given apply only to the colour and weight of fabric tested. Unless otherwise stated the fabric is tested dry and relaxed.
3. This UPF Rating is for the fabric and does not address the amount of protection which is afforded by the design of the article. The manipulations involved in garment manufacture such as stretching and sewing may lower the UPF of the material.
4. The protection offered by this fabric may be lessened :
 - (i) At points where the fabric is in close contact with the skin such as across the shoulders
 - (ii) If the fabric is stretched
 - (iii) If the fabric is wet; and
 - (iv) With time due to effects of normal wear.
5. For headwear: The item does not provide protection against reflected or scattered solar UVR.

Note : Graph is attached

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