

<b>UV Protection Factor Results</b>		AATCC 183	AATCC 183	AATCC 183	AATCC 183
<b>Test Standard</b>		1	2	3	4
Sample Information					
Sample Colors:					
<b>Protection Factor Results</b>					
<b>UNSTRETCHED (RELAXED)</b>					
Mean UVB Transmission:		0.27%	0.20%	0.34%	0.16%
Mean UVATransmission:		<b>0.34%</b>	<b>0.22%</b>	<b>0.46%</b>	<b>0.11%</b>
Mean UVA+B Transmission:		0.32%	0.42%	0.21%	0.13%
Mean UPF		335.27	403.95	274.64	499.36
<b>UPF RATING</b>		<b>308</b>	<b>276</b>	<b>258</b>	<b>497</b>
Standard Deviation:		16.75	77.83	9.88	1.58
<i>Standard Error of the Mean:</i>		<b>27.64</b>	<b>128.42</b>	<b>16.30</b>	<b>2.61</b>
Coeff. Of Variation:		5.00%	19.27%	3.60%	0.32%
Rated UPF: Ranges from 15 to 50, and 50+.		<b>50+</b>	<b>50+</b>	<b>50+</b>	<b>50+</b>
Classification:		EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
	<b>% Block(UVA)</b>	99.66%	99.78%	99.54%	99.89%
	<b>% Block(UVB)</b>	99.73%	99.80%	99.66%	99.84%
<b>UNSTRETCHED (RELAXED)</b>					
	1	327.45	341.24	287.06	496.13
	2	340.56	500	285.73	500
	3	329.64	399.09	271.9	500
	4	343.29	500	266.02	500
	5	360.01	333.7	273.82	500
	6	310.67	349.68	263.32	500
Critical Wavelength		389	389.3	389.2	389.7
<b>Calculated UV Protection Factor</b>		<b>308</b>	<b>276</b>	<b>258</b>	<b>497</b>
<b>UPF RATING</b>		<b>50+</b>	<b>50+</b>	<b>50+</b>	<b>50+</b>
<b>Classification:</b>		<b>EXCELLENT</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>	<b>EXCELLENT</b>

9.1.1 For the Good UV-protection category to be stated on the label, the UPF value must lie between 15 and 24.

9.1.2 For the Very Good UV-protection category to be stated on the label, the UPF value must be between 25 and 39.

9.1.3 For the Excellent UV-protection category to be stated on the label, the UPF value must be 40 or greater.

#### How UPF ratings are calculated:

1. The transmission of ultraviolet through the material is determined using a calibrated ultraviolet transmission analyser.

Measurements are made on at least four places on the specimens.

2. The UPF result for each measurement is calculated.

3. The separate UPF values are averaged to determine the mean UPF.

4. The standard deviation is calculated.

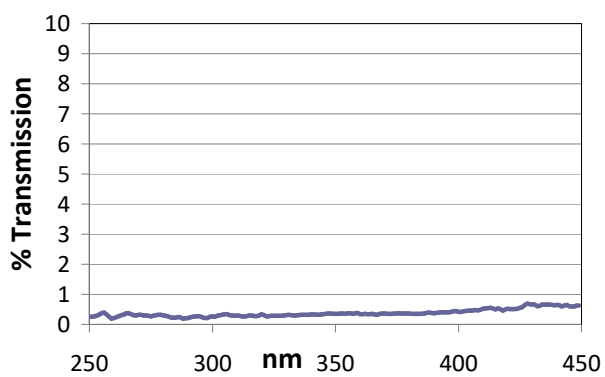
5. The standard error is calculated.

6. The standard error is subtracted from the mean UPF.

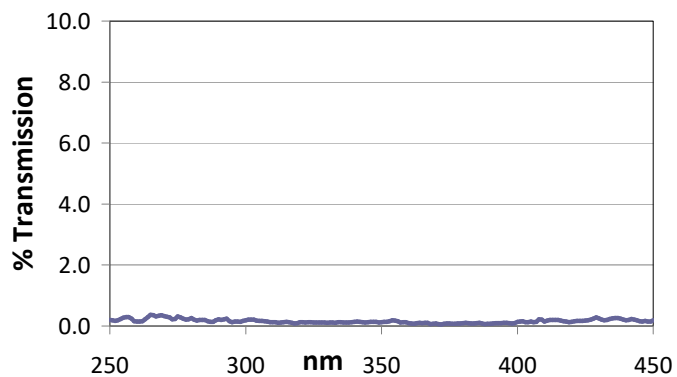
7. This value is rounded down to the nearest multiple of five to determine the reported UPF rating.

The UPF rating also determines the Protection Category assigned to the material.

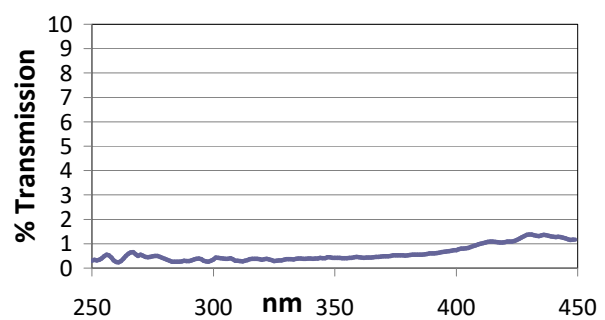
**% UV Transmission - 1**



**% UV Transmission - 3**



**% UV Transmission - 2**



**% UV Transmission - 4**

