



Protection Factor Report

Analysed for: MEP Films

In-House Film Method

ARPANSA Reference: UVR_25-0504-1

Analysis Date: 15 Dec 2025

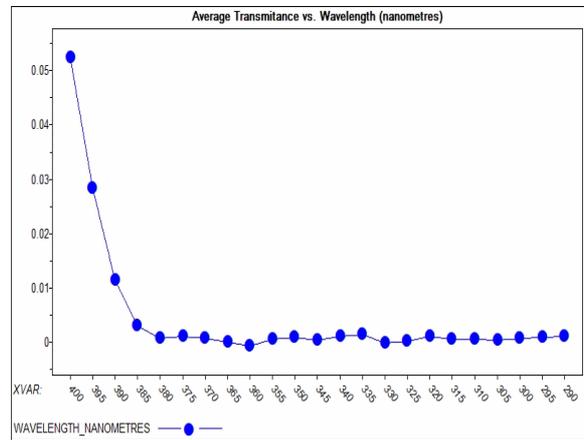
Sample Information

Specimens Tested: 8 Instrumentation: Varian Cary 60 s/n MY18270005
 Description: Charcoal Green Window Film, Spectre 5

Measurement Results

Mean UVA Transmission (%): 0.6
 Mean UVB Transmission (%): 0.1
 Ultraviolet Radiation Blocked (%): 99.9

UV Transmittance



Protection Factor Results	Std Dev
Mean of all Measurements:	>300 N/A
Protection Factor:	>300

Review of Results

The protection factor (PF) is for the film only and does not address the end use of the film when it is applied to other materials. It is recommended to promote films with protection factors higher than 50 as '50+'.

Note that the Protection Factor results on this report that are relevant to human sun protection are weighted to account for human skin sensitivity to different wavelengths of ultraviolet radiation.

Disclaimer

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Material Sample



D Shallard

15 Dec 2025

Lydiawati Tjong

17 Dec 2025

Debbie Shallard - Technician

Lydia Tjong - Approved Signatory





Protection Factor Report

Analysed for: MEP Films

In-House Film Method

ARPANSA Reference: UVR_25-0504-2

Analysis Date: 15 Dec 2025

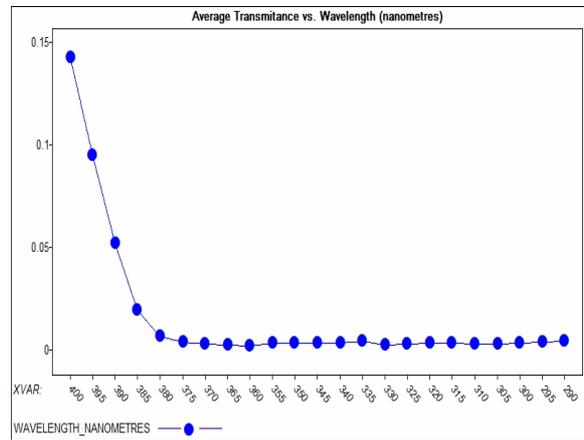
Sample Information

Specimens Tested: 8 **Instrumentation:** Varian Cary 60 s/n MY18270005
Description: Charcoal Green Window Film, Spectre 20

Measurement Results

Mean UVA Transmission (%): 2.0
Mean UVB Transmission (%): 0.4
Ultraviolet Radiation Blocked (%): 99.6

UV Transmittance



Protection Factor Results	Std Dev
Mean of all Measurements:	261 53
Protection Factor:	208 (50+)

Review of Results

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Protection Factor Report

Analysed for: MEP Films

In-House Film Method

ARPANSA Reference: UVR_25-0504-3

Analysis Date: 15 Dec 2025

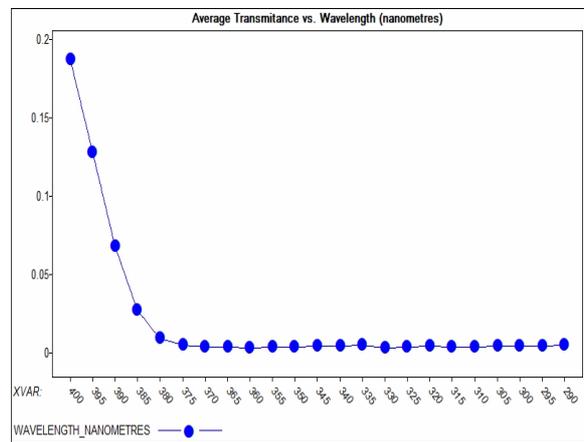
Sample Information

Specimens Tested: 8 **Instrumentation:** Varian Cary 60 s/n MY18270005
Description: Charcoal Green Window Film, Spectre 25

Measurement Results

Mean UVA Transmission (%): 2.6
Mean UVB Transmission (%): 0.4
Ultraviolet Radiation Blocked (%): 99.5

UV Transmittance



Protection Factor Results	Std Dev
Mean of all Measurements:	202 36
Protection Factor:	166 (50+)

Review of Results

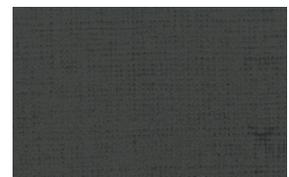
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Protection Factor Report

Analysed for: MEP Films

In-House Film Method

ARPANSA Reference: UVR_25-0504-4

Analysis Date: 15 Dec 2025

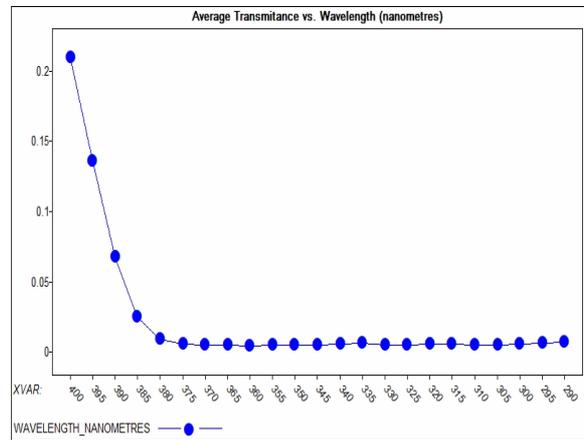
Sample Information

Specimens Tested: 8 **Instrumentation:** Varian Cary 60 s/n MY18270005
Description: Green Window Film, Spectre 30

Measurement Results

Mean UVA Transmission (%): 2.9
Mean UVB Transmission (%): 0.6
Ultraviolet Radiation Blocked (%): 99.4

UV Transmittance



Protection Factor Results	Std Dev
Mean of all Measurements:	171 48
Protection Factor:	123 (50+)

Review of Results

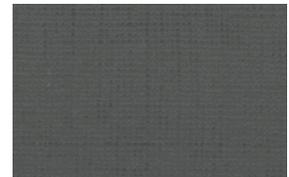
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Protection Factor Report

Analysed for: MEP Films

In-House Film Method

ARPANSA Reference: UVR_25-0504-5

Analysis Date: 15 Dec 2025

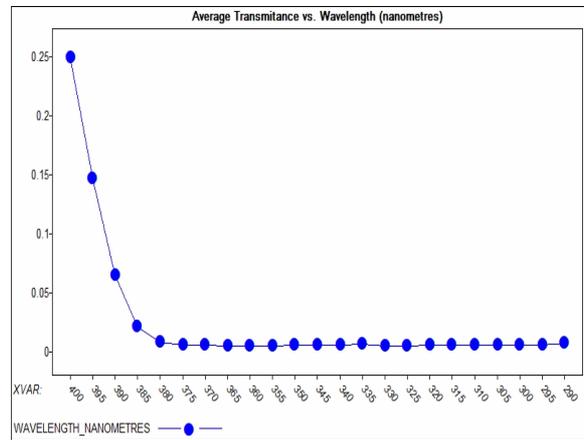
Sample Information

Specimens Tested: 8 **Instrumentation:** Varian Cary 60 s/n MY18270005
Description: Green Window Film, Spectre 35

Measurement Results

Mean UVA Transmission (%): 3.1
Mean UVB Transmission (%): 0.6
Ultraviolet Radiation Blocked (%): 99.3

UV Transmittance



Protection Factor Results		Std Dev
Mean of all Measurements:	149	18
Protection Factor:	131 (50+)	

Review of Results

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In-House Film Method

ARPANSA Reference: UVR_25-0504-6

Analysis Date: 15 Dec 2025

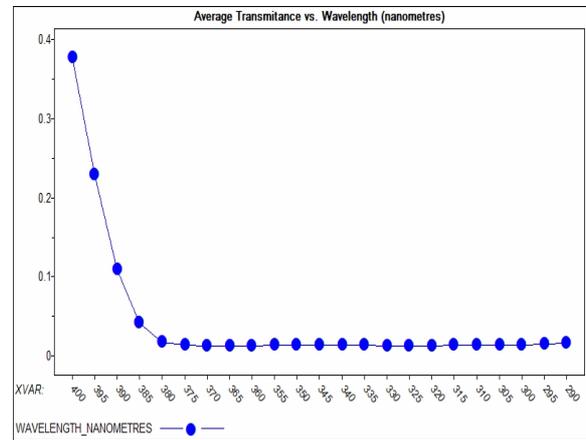
Sample Information

Specimens Tested: 8 **Instrumentation:** Varian Cary 60 s/n MY18270005
Description: Sky Blue Window Film, Spectre Clear

Measurement Results

Mean UVA Transmission (%): 5.3
Mean UVB Transmission (%): 1.4
Ultraviolet Radiation Blocked (%): 98.8

UV Transmittance



Protection Factor Results	Std Dev
Mean of all Measurements:	87 63
Protection Factor:	24

Review of Results

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