

Avery Dennison Product Manufacturing Specifications - SF Clear 23 mil i (R54803A)

Product Code:

R54803A

Description:

Premium safety window film for the Architectural segment. Multilayer structure based on ultra-clear PET, UV enhanced PSA layers - all laminated in a unique design set for advanced safety & security protection.

Application:

The product could be either retrofitted or dry laminated on glass.

Optical & Solar Product Specifications:

Property	Test Method	Unit	Target	Comment
Visible light transmitted [%]	Optical and Solar performance simulated using LBNL software (Optics and WINDOW 5.2) according to NFRC methodology	%	87	CARY 500 Scan Spectrophotometer
Visible light reflective int. [%]		%	12	
Visible light reflective ext. [%]		%	12	
UV Block [%]		%	>99	
Total Solar Energy Reflected [%]		%	11	
Total Solar Energy Transmitted [%]		%	77	
Total Solar Energy Absorbed [%]		%	12	
Shading Coefficient		N/A	0.93	
Solar Heat Gain Coefficient		N/A	0.81	
Total Solar Energy Rejected [%]		%	19	
Glare Reduction [%]		%	3	

Performance results are calculated on 1/8" clear glass using NFRC methodology and LBNL Window 5.2 software. And are subject to variation in process conditions within industry standards ($\pm 3\%$ nominal)

Reported values are taken from representative product samples and are not tested on a regular basis for full spectral behavior.

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Optical Properties:

Property	Test Method*	Unit	Target	Comment
Haze	ASTM D-1003	%	<4	Haze-Gardner BYK (film only w/o liner)

Physical Properties:

Property	Test Method*	Unit	Target	Comment
Overall Product thickness	Mahr Milimar C 1200	mil	23.5 (23.2-24.8)	Thickness including coatings (w/o liner)
Initial tack (24 hours after installation)	FTM-1	gr/inch	600	
Tensile Strength @ Break TD MD	ASTM D-882	psi	32,000* 18,350	
Break Strength TD MD	ASTM D-882	lb/inch	655 425	
Elongation at break TD MD	ASTM D-882	%	90 200	