



3M™ Lámina de Seguridad para Autos

SAS 5 (4 mil)

Información Técnica:

- Entrega protección frente a roturas de vidrio
- Resistencia al impacto incrementada para seguridad y protección adicional
- Ayuda a proteger activos valiosos dentro del vehículo (daño y/o robo)
- Diseño libre de metal, no interfiere con señales
- 99% protección UV
- Reduce brillo y decoloramiento interior
- Incluye una capa adicional en su estructura para privacidad
- Tonalidad oscura
- Permite el ingreso de un 5% de la luz visible
- Rechaza la energía solar en un 60%
- Reduce el calor en un 30%

Desempeño del producto:

SAS 5 4M				
	Single Pane		Single Pane (Auto)	
Film	1/4" Clear	SAS 5 4M	1/4" Auto75	SAS 5 4M
Solar Heat Gain Coefficient	0.82	0.57	0.59	0.40
Visible Light Transmitted	89%	6%	75%	5%
Visible Light Reflected Interior	9%	5%	7%	5%
Visible Light Reflected Exterior	8%	5%	7%	4%
U Value	1.03	1.02	1.02	1.02
UV Block	38%	99%	NA	99%
Total Solar Energy Rejected	19%	43%	41%	60%
Glare Reduction	NA	94%	NA	94%
Heat Loss Reduction	NA	0%	NA	0%
Solar Heat Reduction	NA	30%	NA	32%

Film Properties* (nominal)

Product	Film Thickness	Tensile Strength	Break Strength	Elongation at Break	Abrasion Resistance
SAS 5 4M	0.004" (0.10 mm)	25,000 psi	100 lbs/in	>125 %	< 5% haze increase

*not for specification purposes

Impact Resistance for Burglary Resisting Glazing**

Product	Glass Substrate	Test Type	Impact Energy	# of Impacts
SAS 5 4M	3/16" (4.8mm) tempered	High Impact	88 J	1
		High Impact (after center punch)	27 J	1
		Multiple Impact	17 J	5

**modified method of UL 972, Burglarly Resisting Glazing Material

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.