

3M™ Lámina de Seguridad para Autos

SAS Clear (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
- Visualmente imperceptible, tonalidad muy clara
- Permite el paso del 74% de luz visible
- Rechaza la energía solar en un 42%

Desempeño del producto:

SAS Clear 4M	Single Pane		Single Pane (Auto)	
	Film	1/4" Clear	SAS Clear 4M	1/4" Auto75
Solar Heat Gain Coefficient	0.82	0.79	0.59	0.58
Visible Light Transmitted	89%	88%	75%	74%
Visible Light Reflected Interior	9%	9%	7%	7%
Visible Light Reflected Exterior	8%	9%	7%	7%
U Value	1.03	1.05	1.02	1.05
UV Block	38%	97%	NA	98%
Total Solar Energy Rejected	19%	21%	41%	42%
Glare Reduction	NA	1%	NA	1%
Heat Loss Reduction	NA	0%	NA	0%
Solar Heat Reduction	NA	3%	NA	2%

Film Properties* (nominal)

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

*not for specification purposes

Impact Resistance for Burglary Resistant Glazing**

Product	Glass Substrate	Test Type	Impact Energy	# of Impacts
SAS Clear 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

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