





## Product Features and Benefits

- Optically clear, 14-mil (0.36 mm) thick film for application to interior glass surface
- High thickness security film to help deter break and entry attempts
- Provides shatter resistance to help protect from broken glass hazards
- Typically used for helping to deter Break and Entry (Smash and Grab)
- Protective hardcoat provides scratch resistance and durability
- Helps protect from the harmful effects of UV light and reduces fading of interior furnishings
- Can be combined with 3M Impact Protection Attachment systems for additional safety and security

## Product Performance & Technical Data

Safety S140								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	Safety S140	1/4" tint	Safety S140	Dual 1/4" Clear	Safety S140	Dual 1/4" tint	Safety S140
Solar Heat Gain Coefficient	0.82	0.78	0.63	0.62	0.70	0.68	0.51	0.50
Visible Light Transmitted	89%	85%	53%	52%	79%	72%	47%	46%
Visible Light Reflected Interior	9%	10%	6%	7%	15%	16%	13%	14%
Visible Light Reflected Exterior	8%	10%	6%	6%	15%	16%	8%	9%
U Value	1.03	1.03	1.03	1.02	0.47	0.47	0.47	0.48
UV Block	38%	99%	NA	99%	NA	99%	NA	99%
Total Solar Energy Rejected	19%	22%	37%	38%	30%	32%	49%	50%
Glare Reduction	NA	4%	NA	1%	NA	9%	NA	2%
Heat Loss Reduction	NA	0%	NA	0%	NA	0%	NA	0%
Solar Heat Reduction	NA	4%	NA	2%	NA	3%	NA	1%

## Film Properties (nominal)

Product	Film Thickness	Single or Multi-ply	Tensile Strength	Break Strength	Elongation at Break	Abrasion Resistance
Safety S140	0.014"	Multi (3)	25,000 psi	350 lbs/in	>125 %	< 5% haze increase

### IMPORTANT NOTICE:

This product is **not approved** in the State of Florida for use as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm. In compliance with Florida Statute 553.842, this product may not be advertised, sold, offered, provided, distributed, or marketed in the State of Florida as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm.

The information provided in this report is believed to be reliable; however, due to the wide variety of intervening factors, 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms of sale are available from 3M

### Commercial Solutions Division

3M Center, Building 220-12E-04 St. Paul, MN 55144  
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## Health and Safety

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## 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.

## Warranty

3M warrants that each 3M product will be free from defects in material and manufacture for the length of the product warranty. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

## Limited Remedy

If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

## No Extension of Warranty

In the case of an approved warranty claim, the replacement Product will carry only the remaining term of the original warranty period.

## Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.

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