



## Product Benefits

- Great infrared heat reduction
- High total solar energy rejected
- Metal-free design with no electronic interference\*
- Low visible light reflectivity value
- Up to 99.8% UV protection (up to SPF 1000+)

## Product Performance & Technical Data

Ceramic IR 50				
	Single Pane		Single Pane Auto 75	
Film	1/4" Clear	Ceramic IR 50	1/4" Auto 75	Ceramic IR 50
Visible Light Transmitted	89%	60.4%	73%	49.8%
Visible Light Reflected Interior	9%	6.9%	7%	6.3%
Visible Light Reflected Exterior	8%	7.0%	7%	5.9%
UV Block	34%	99.6%	67%	99.8%
Total Solar Energy Rejected	19%	47.7%	42%	54.8%
Glare Reduction	NA	32%	NA	32%
IRR**	NA	83%	NA	83%
IRER***	NA	60%	NA	66%

\*Will not interfere with cell phones, GPS systems or satellite radio.

\*\*IRR - IR Rejected over 900 – 1,000 nm. Film with liner measurement

\*\*\*IRER – The percent of solar infrared energy rejection over the wavelength range from 780 – 2,500 nm. IRER takes into account the transmitted and absorbed IR energy that will be reradiated into a car. Film is applied to glass

### Commercial Solutions Division

3M Center, Building 220-12E-04 St. Paul, MN 55144

3M.com/windowfilm

© 3M 2019. All rights reserved.

3M is a trademark of 3M. Used under license in Canada.

All other trademarks are property of their respective owners. Revision B, October 2019. Please recycle.



## Health and Safety

When handling any chemical products, read the manufacturers' container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to [3M.com/SDS](http://3M.com/SDS), or by mail or in case of an emergency, call 1-888-364-3577 or 1-651-737-6501. When using any equipment, always follow the manufacturers' instructions for safe operation.

## Technical Information

Technical information and data, recommendations, and other statements provided by 3M are based on information, tests, or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits. If you have questions about this Product, contact the Customer Service Department at 1-800-852-9722.

## 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.

### Commercial Solutions Division

3M Center, Building 220-12E-04 St. Paul, MN 55144

[3M.com/windowfilm](http://3M.com/windowfilm)

© 3M 2019. All rights reserved.

3M is a trademark of 3M. Used under license in Canada.

All other trademarks are property of their respective owners. Revision B, October 2019. Please recycle.

