

Product Benefits

- Good heat rejection capability
- 3M patented infused technology provides better durability, color retention and fade resistance
- Metal-free design with no electronic interference***
- Low visible light reflectivity value
- Up to 99.9% UV protection

Product Performance & Technical Data

	Film	Visible Light Transmittance	Visible Light Reflectance Exterior	Visible Light Reflectance Interior	UV Block	Total Solar Energy Rejected	Glare Reduction	Infrared Rejection****	Infrared Energy Rejection*****
Auto 75*	Auto 75 Glass	73%	7%	7%	67%	42%	NA	NA	NA
	Obsidian 5	5%	4%	3%	99.8%	60%	93%	8%	53%
	Obsidian 15	16%	5%	5%	99.9%	57%	79%	9%	53%
	Obsidian 25	22%	5%	5%	99.8%	55%	70%	9%	53%
	Obsidian 30	32%	5%	5%	99.6%	53%	56%	9%	53%
	Obsidian 35	37%	5%	5%	99.6%	52%	49%	9%	53%
	Obsidian 40	44%	6%	6%	99.5%	50%	39%	7%	53%
	Obsidian 50	51%	6%	6%	99.5%	48%	30%	9%	53%
	Obsidian 70	64%	7%	7%	99.7%	45%	15%	7%	53%

	Film	Visible Light Transmittance	Visible Light Reflectance Exterior	Visible Light Reflectance Interior	UV Block	Total Solar Energy Rejected	Glare Reduction	Infrared Rejection****	Infrared Energy Rejection*****
6mm Clear**	Clear Glass	89%	9%	8%	34%	19%	NA	NA	NA
	Obsidian 5	6%	4%	3%	99.6%	44%	93%	8%	24%
	Obsidian 15	19%	5%	5%	99.7%	40%	79%	9%	23%
	Obsidian 25	27%	6%	5%	99.6%	38%	69%	9%	24%
	Obsidian 30	39%	6%	5%	99.0%	35%	56%	9%	23%
	Obsidian 35	45%	6%	6%	99.0%	33%	49%	9%	23%
	Obsidian 40	54%	7%	6%	98.9%	31%	39%	7%	23%
	Obsidian 50	62%	7%	7%	98.9%	28%	30%	9%	23%
	Obsidian 70	78%	8%	8%	99.3%	23%	12%	7%	23%

* Data should be used as a reference tool for net VLT on ¼” (6mm) thick, automotive green glass of 73% VLT, and testing is in accordance to ANSI/NFRC 200 Procedure.

** Data is comparable to current auto industry method using a clear 89% VLT glass, and testing is in accordance to ANSI/NFRC 200 Procedure.

***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 2020. All rights reserved.

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

All other trademarks are property of their respective owners. Revision A, August 2020. Please recycle.



AIS

View the Article Information Sheet (AIS), document # 38-7652-1, for 3M Obsidian Series at [3M.com/SDS](https://www.3m.com/SDS).

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 1-866-499-8857.

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](https://www.3m.com/windowfilm)

© 3M 2020. All rights reserved.

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

All other trademarks are property of their respective owners. Revision A, August 2020. Please recycle.

