

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 99.9% UV protection

Product Performance & Technical Data

Auto 75*	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 Glass	73%	7%	7%	67%	42%	NA	NA	NA
	Ceramic IM 5	7.1%	4.3%	4.3%	99.9%	65.5%	90.2%	82%	66%
	Ceramic IM 15	14.0%	4.3%	4.3%	99.8%	63.2%	80.8%	74%	65%
	Ceramic IM 35	26.1%	4.5%	4.5%	99.4%	60.2%	64.2%	73%	65%
	Ceramic IM 70	62.3%	6.9%	7.4%	99.8%	51.3%	14.7%	56%	65%

6mm Clear**	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*****
	Clear Glass	89%	9%	8%	34%	19%	NA	NA	NA
	Ceramic IM 5	8.7%	4.6%	4.6%	99.9%	61.8%	90.2%	82%	60%
	Ceramic IM 15	17.3%	4.7%	4.7%	99.7%	57.7%	80.5%	74%	57%
	Ceramic IM 35	32.2%	4.9%	4.9%	98.6%	53.4%	63.8%	73%	56%
	Ceramic IM 70	75.7%	8.4%	8.4%	99.6%	39.5%	15.0%	56%	54%

* 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

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AIS

View the Article Information Sheet (AIS), document # 41-3283-3, for 3M Ceramic IM Series at [3M.com/SDS](https://www.3m.com/SDS).

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