

Product Benefits

- Increase in privacy
- Reduce interior fading
- Reduce glare
- Non-metalized
- Up to 99% 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
	Black Shade 5	5%	5%	5%	99%	59%	93%	8%	52%
	Black Shade 15	12%	5%	5%	99%	57%	84%	8%	52%
	Black Shade 30	26%	5%	5%	99%	53%	65%	8%	52%
	Black Shade 45	37%	5%	5%	99%	51%	51%	8%	52%

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
	Black Shade 5	6%	5%	5%	99%	43%	93%	8%	20%
	Black Shade 15	14%	5%	5%	99%	40%	84%	8%	20%
	Black Shade 30	31%	6%	6%	99%	35%	65%	8%	20%
	Black Shade 45	44%	5%	5%	99%	32%	50%	8%	20%

* 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 # 38-4821-5 for 3M Black Shade Series at [3M.com/SDS](https://www.3m.com/SDS).

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