

## Product Benefits

- Advanced infrared heat rejection capability
- 3M™ Patented multilayer nano technology
- Metal-free design with no electronic interference\*\*\*
- Low visible light reflectivity value
- Up to 99.9% UV protection (up to SPF 1000+)

## 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
	Crystalline 20	17%	5%	5%	99.9%	64%	77%	99%	66%
	Crystalline 40	33%	6%	6%	99.9%	62%	55%	99%	69%
	Crystalline 50	42%	7%	7%	99.9%	59%	43%	98%	68%
	Crystalline 60	51%	7%	7%	99.9%	57%	30%	98%	68%
	Crystalline 70	58%	8%	7%	99.9%	55%	21%	97%	68%
	Crystalline 80	62%	7%	7%	99.8%	52%	15%	96%	64%
	Crystalline 90	72%	9%	8%	99.9%	46%	1%	95%	59%

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
	Crystalline 20	21%	6%	5%	99.9%	63%	76%	99%	67%
	Crystalline 40	39%	7%	7%	99.9%	60%	55%	99%	71%
	Crystalline 50	50%	8%	7%	99.9%	56%	44%	98%	70%
	Crystalline 60	60%	8%	8%	99.9%	53%	32%	98%	70%
	Crystalline 70	69%	9%	9%	99.9%	50%	22%	97%	69%
	Crystalline 80	77%	8%	8%	99.6%	44%	13%	96%	60%
	Crystalline 90	86%	10%	10%	99.9%	34%	3%	95%	48%

\* 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 radiated into a car. Film is applied to glass

### Commercial Solutions Division

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

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## AIS

View the Article Information Sheet (AIS), document # 36-7131-0 for 3M Crystalline 20, 21-4548-0 for 3M Crystalline 40, 50, 60 & 80, 21-4568-8 for 3M Crystalline 70 or 27-4574-3 for 3M Crystalline 90 at [3M.com/SDS](http://3M.com/SDS).

## Technical Information

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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

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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.

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