



## 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

## 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 reradiated 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

3M warrants that each 3M product will be free from defects in material and manufacture for the length of the product warranty. Within the marine market this warranty applies solely to non-Solas vessels. 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

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### Limitation of Liability

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