

# A breakthrough in automotive window films.

Multilayer optical film and ceramic nano-technology that rejects more heat than many darker films without changing the car's appearance.

**200**

layers of nano-  
technology film.

Protect what matters at  
**3M.com/WindowTint**

**3M** | Automotive Window Film

## Invented and innovated.

Improving comfort and blocking ultraviolet (UV) rays to reduce fading of vehicle interiors are hallmarks of 3M automotive window films.

## Cool tones. Cooler style.

## Ride in style and comfort.

3M™ Automotive Window Film Crystalline™ Series deep black, gray color compliments your vehicle. With elite performance, it is the superior choice for style and comfort that lasts.

**3M**

Commercial Branding and  
Transportation Division  
3M Center, 223-3N-30  
St. Paul, MN 55144-1000

98-0150-0681-4



3M™ Automotive Window Films Crystalline™ Series blocks 99% or more of UVA and UVB radiation and has received the Skin Cancer Foundation's Seal of Recommendation.

**Crystalline Series  
CR BLK**

# 3M™ Automotive Window Film Crystalline™ Series

## Unique technology

Get advanced protection while keeping your vehicle's original appearance. With patented multilayer optical film and ceramic nano-technology, the 3M™ Crystalline™ Series provides better heat and UV protection than many darker films.

## Stay cool

Turn down the A/C with our top of the line Crystalline™ Series film. Rejecting up to 64% of total solar energy optimizing thermal comfort and minimizing the feel of the sun's heat on your skin.

## See clearly

The Crystalline™ Series is designed to enhance your view by allowing visible light into your vehicle while keeping heat out, so you can see clearly through your windows — and maintain your vehicle's original appearance.

## Reduce glare

The Crystalline™ Series allows you to see better and concentrate more on driving by reducing up to 81% of the glare from blinding sunlight.

## Stay connected

The Crystalline™ Series is a non-metallized window film that won't interfere with mobile devices, GPS or satellite radio reception.



**LT** Limited lifetime warranty: Backed by one of the most comprehensive warranties you can get. Sold and installed by professional 3M Authorized Dealers Installers, our films are durable, long-lasting and virtually maintenance free.

## Terms to Know

- TSER — Total Solar Energy Rejection**  
 The percentage of total solar energy rejected by filmed glass. The higher this value, the less solar heat is transmitted.
- VLT — Visible Light Transmitted**  
 The percentage of visible light that passes directly through filmed glass: the higher the number, the lighter the film.
- Ultraviolet Rejection**  
 The percentage of ultraviolet (UV) light that is rejected by the filmed glass. UV light contributes to the fading and deterioration of fabrics and leather.
- IRER — Infrared Energy Rejection**  
 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. Infrared rays are primarily responsible for the heat you feel when driving.
- IRR — Infrared Rejection**  
 The percentage of solar infrared energy rejection over the wavelength range from 900–1,000 nm.
- Glare Reduction**  
 The percentage by which visible light is reduced by the addition of film.

# Choose your level of protection.

The Crystalline™ Series is available in a variety of tint levels to meet your needs.

	CR BLK 15	CR BLK 30	CR BLK 35	CR BLK 40	CR BLK 50	CR BLK 60	CR BLK 70	CR BLK 80
<b>IRER* TSER</b>								
Total Solar Energy Rejected	64%	61%	60%	58%	56%	54%	51%	45%
Infrared Energy Rejection	66%	68%	67%	67%	68%	67%	65%	59%
VLT	14%	29%	33%	41%	48%	57%	64%	72%
UV Rejection	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Glare Reduction	81%	61%	55%	44%	34%	22%	13%	2%
IRR**	98%	98%	98%	98%	98%	97%	97%	95%

Data shown is the estimated performance of film applied to 1/4" (6mm) thick, 73% VLT automotive green glass. Data is for reference only.

\*IRER — Percent of solar infrared energy that is rejected 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. Data shown is for the performance of film applied to glass.

\*\*IRR — Percent of solar infrared energy in the 900–1,000 nm wavelength range that is rejected by the film. Measurement is made of film with liner alone (i.e. no glass).

IMPORTANT: The law on auto tint varies by state or province. Please check your state or province laws or ask your dealer for films approved for use on vehicles.

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