



# Automotive Window Film



## 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

[https://www.3mindia.in/3M/en\\_IN/car-personalization-in/products/paint-protection-film](https://www.3mindia.in/3M/en_IN/car-personalization-in/products/paint-protection-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.



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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 60

CR BLK 60

3M Crystalline CR BLK 60

Price: ₹1,400/sqft

15 ft: ₹21,000 | 26 ft: ₹36,420 | 32 ft: ₹44,800 | 5.6 ft: ₹8,550

## 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.
- 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.
- VLT — Visible Light Transmitted**  
 The percentage of visible light that passes directly through filmed glass: the higher the number, the lighter the film.
- IRR — Infrared Rejection**  
 The percentage of solar infrared energy rejection over the wavelength range from 900–1,000 nm.
- 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.
- Glare Reduction**  
 The percentage by which visible light is reduced by the addition of film.



## 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 connected

The Crystalline™ Series is a non-metalized window film that works with all mobile devices, GPS or satellite navigation.



## 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 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.

The products listed herein conform to the Indian Standard IS 2553 (Part 2) (First Revision): 2019. These products may be applied to vehicles in a manner that ensures compliance with the Indian Standards and Rule 100 of the Central Motor Vehicles Rules, 1989, which mandate a minimum of 70% Visual Light Transmission (VLT) for the windscreen and rear window, and 50% Visual Light Transmission (VLT) for the side windows.

	6mm Clear**	Auto 75*	
IRR* TSER	Total Solar Energy Rejected	48%	54%
	Infrared Rejection	97%	97%
	VLT	69%	57%
	UV Rejection	99.8%	99.9%
	Glare Reduction	22%	22%
	IRER**	68%	67%

\* Data should be used as a reference tool for net VLT on 1/8" (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.

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