

# 3M advanced nano-ceramic technology.

The Ceramic IR series was developed with a nano-ceramic technology that provides a high level of infrared rejection. This 3M technology is compatible with 5G devices to stay connected.

Up to

**95%**

Infrared rejection\* with nano-ceramic technology.

## Invented, innovated and improved.

Improving comfort, protecting vehicle interiors and blocking UV rays are hallmarks of 3M™ Automotive Window Films. 3M was issued the first sun control window film patent in 1966, and our innovative window film products have helped provide protection from the sun's harmful rays for 50 years. Put the innovation of 3M to work for you.

[3M.com/WindowFilm](https://www.3m.com/WindowFilm)



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NOTE: 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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**3M** Science.  
Applied to Life.™

3M™ Automotive Window Film  
Ceramic IR Series

# Style and comfort.

# Ride in style and comfort.

3M™ Automotive Window Film Ceramic IR Series offers great infrared rejection for optimal comfort and is available in an attractive neutral color.



# 3M™ Automotive Window Film Ceramic IR Series

## Stay Cool

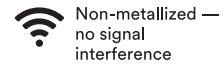
The Ceramic IR Series provides great infrared heat rejection due to the absorptive nano-ceramic technology. Rejecting up to 63% of total solar energy and up to 95% of infrared rejection\* for optimal thermal comfort and reducing the feel of sun on your skin.



Reduce heat

## Stay Connected

The Ceramic IR Series is developed with a metal-free design that won't interfere with electronics, GPS, satellite radio or mobile devices, including 5G.



Non-metallized — no signal interference

## Reduce Glare

The Ceramic IR series reduces up to 93% of the glare from blinding sunlight with low visible light reflectivity and no mirror-like appearance to disrupt your view out.



Enhance visibility at night Reduce glare

## Superior UV protection

Blocking up to 99.9% ultraviolet (UV) light, the Ceramic IR Series provides a total Sun Protection Factor (SPF) of up to 1000+ providing vehicle occupants with significant protection from harmful UV rays.



Block up to 99.9% UV rays



## Limited Lifetime Warranty

The Ceramic IR Series is backed by a limited lifetime warranty, one of the most comprehensive warranties you can get. Sold and installed by professional 3M™ Authorized Dealer Installers, our films are durable, designed to last and virtually maintenance free.



Limited lifetime warranty



Never turns purple

## Terms to Know

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

## Choose your level of protection

The Ceramic IR Series is available in a variety of tint levels to meet your needs.



Performance data generated using applicable industry test methods and standards.

\* Infrared Rejected (IRR)- measured on film only from 900nm to 1000nm.

\*\*Infrared Energy Rejection (IRER)- The percent of solar infrared energy rejection over the wavelength range from 780-2,500 nm.

	IR 5	IR 15	IR 25	IR 35	IR 50	IR 70
<b>TSER</b>						
Total Solar Energy Rejected	63%	59%	57%	52%	47%	41%
VLT	6%	19%	30%	45%	60%	78%
UV Block	99%	99%	99%	99%	99%	99%
IRR*	95%	90%	90%	85%	83%	78%
IRER**	63%	61%	63%	61%	60%	58%
Glare Reduction	93%	78%	65%	49%	32%	12%

