

CERAMIC



Automotive  
Window Films



Looks  
Hot.  
Feels Cool.

# Superior Performance

Married to Innovative Technology



*With the new 3M Ceramic Series films, we bring you the two virtues that are most important: outstanding clarity and superior heat reduction.*

## 3M™ Ceramic Automotive Window Films



Reduces Heat:  
Up to 59% TSER  
Up to 80% IR Rejection\*



Non-metallized  
No Signal Interference



Blocks 99% UV Rays  
Up to SPF 1000  
Protects Interior & Skin



Never Turns Purple



Reduces Glare



Lifetime Warranty



\* Infrared rejection measured on film only from 900nm - 1000nm

By Using Advanced Ceramics, Our  
Film Retains its Color and Appearance  
Over Time

CM30

CM40

CM50



# 3M™ Automotive Window Films - Ceramic Series

## 3M Advanced Ceramics & Nanotechnology

Using nanotechnology we've created ceramics so fine they are not only invisible to the naked eye, they are imperceptible with an ordinary microscope. These ceramics allow us to create a film that is tough, won't corrode and enhances your view with greater clarity.

By using advanced ceramics, our film retains its color and appearance over time. Other high performance sputtered metal films can corrode, often changing color on the edges while traditional window films that rely on dyes are prone to fading over time, changing to a purplish hue. The 3M Ceramic Series films will look good not just the first year, but for years to come.

Improving comfort, protecting vehicle interiors and the people who occupy them is a hallmark of 3M Automotive Window films. 3M invented window films in 1966 and our innovative window film products have provided protection from the sun's harmful rays for more than 40 years. Put the innovation of 3M to work for you.

## Stay Cool

Featuring advanced ceramics, the 3M Ceramic Series window films provide superior infrared heat rejection compared to traditional films. This amazing nanotechnology provides superior protection from the sun's heat while retaining optimal visibility. Ceramic films reject up to 59% of the total solar energy and up to 80% of the heat-producing infrared rays – you will feel more comfortable in your car.

## Stay Connected

The 3M Ceramic Series films are non-metallized. The result is an easy-to-maintain, long-life film that won't interfere with mobile phone, GPS and satellite radio reception. This eliminates the frustration of lost connectivity associated with metallic window films.

## Superior UV Protection

Blocking 99 percent of UV light, the Ceramic Series films provide a total Sun Protection Factor (SPF) of up to 1000. This provides vehicle occupants with significant protection from the dangers of the sun's UV rays, including sunburn, causes of premature aging, and the risk of more serious skin conditions.

## Reduces Glare

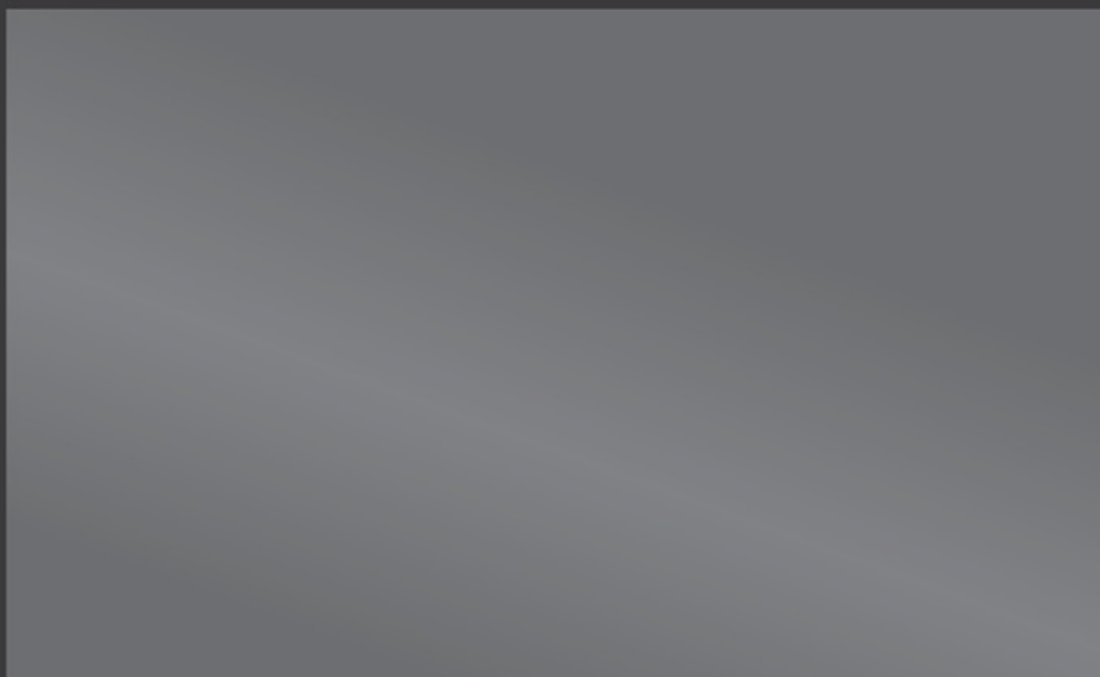
3M Ceramic Automotive Window Films reduce up to 60% of the glare caused by blinding sunlight, allowing you to see better and concentrate more on driving. Ceramic films are available in a variety of tint levels to meet your needs, allowing 30% to 50% of the visible light into your vehicle.

## Limited Lifetime Warranty

Selecting 3M Automotive Window Films gives you peace of mind. That's because we have one of the most comprehensive warranties you can get.

3M Ceramic Series window films are backed by a limited lifetime warranty should your window film need replacing from bubbling, peeling, blistering or purpling. 3M Automotive Window Films are durable, designed to last and virtually maintenance free. Our films are sold and installed exclusively by professional, Authorized 3M Dealers.





3M Automotive Window Films - Ceramic Series

59% TSER

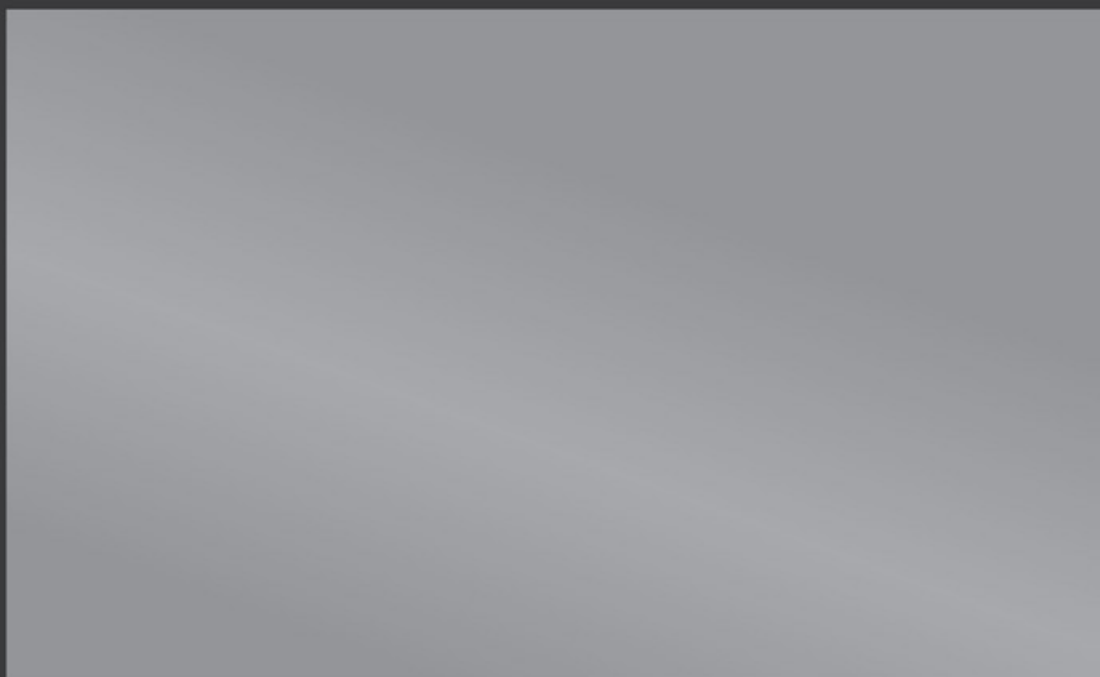
**CM30**



3M Automotive Window Films - Ceramic Series

53% TSER

**CM40**



3M Automotive Window Films - Ceramic Series

47% TSER

**CM50**

## 3M™ Automotive Window Films - Ceramic Series

### CM30 Ceramic 30

59% TSER

Visible Light Transmitted	36%	Visible Light Reflection	17%
Total Solar Energy Rejected	59%	UV Rejection	99%
Infrared Rejection*	80%	Glare Reduction	60%

### CM40 Ceramic 40

53% TSER

Visible Light Transmitted	44%	Visible Light Reflection	14%
Total Solar Energy Rejected	53%	UV Rejection	99%
Infrared Rejection*	78%	Glare Reduction	50%

### CM50 Ceramic 50

47% TSER

Visible Light Transmitted	53%	Visible Light Reflection	12%
Total Solar Energy Rejected	47%	UV Rejection	99%
Infrared Rejection*	68%	Glare Reduction	40%

TSER (Total Solar Energy Rejected)

#### visible light transmitted

The percentage of visible light that passes directly through filmed glass: the higher the number, the lighter the film.

#### total solar energy rejected

The percentage of total solar energy rejected by filmed glass. The higher this value, the less solar heat energy is transmitted by the glass.

#### infrared rejected

The percent of infrared light rejected by the film on the glass. Infrared light is primarily responsible for the heat you feel when driving.

#### visible light reflection

The percentage of visible light reflected back from the glass.

#### uv rejection

The percentage of ultraviolet light that is rejected by filmed glass. Ultraviolet light contributes sunburn and other harmful skin conditions from the sun and to the fading and deterioration of fabrics and leather.

#### glare reduction

The percentage by which visible light is reduced by the addition of film.

\* Performance data generated using applicable industry test methods and standards. Infrared rejection measured on film only from 900nm - 1000nm



## 3M Automotive Window Films

Another Great 3M Product You Can Trust





## Put the innovation of 3M to work for you

*3M invented window films and no one has more experience. In 1966, we received the first patent for window films. Today there are millions of square feet of 3M Window Films installed all around the world. Put your trust in 3M Window Films, a name you know for quality products and services. We never stop creating new window film products and solutions that make your car more comfortable.*



[www.3M.com/windowfilm](http://www.3M.com/windowfilm)

### 3M Renewable Energy Division

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The Skin Cancer Foundation recommends these 3M Window Film products as effective UV Protectants.

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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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