

CRYSTALLINE



Automotive  
Window Films



Looks

Hot.

Feels Cool.

# A Clear Breakthrough

## In Automotive Window Films



*If you are looking for the ultimate in high technology,  
superior clarity and performance with a premium look –  
Then 3M Crystalline Automotive Window Film is for you.*

# 3M™ Crystalline Automotive Window Films



Reduces Heat:  
Up to 60% TSER  
97% IR Rejection\*



Non-metallized  
No Signal Interference



Blocks 99.9% UV Rays  
SPF 1000+  
Protects Interior & Skin



Never Turns Purple



Reduces Glare



Maintains Vehicle's  
Original Appearance



Enhances Visibility  
at Night



Lifetime Warranty



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

Crystalline's Clear Film Technology  
Rejects More Heat Than Many Dark Films  
Without Changing Your Car's Appearance



# 3M™ Crystalline Automotive Window Films



## 3M Clear Film Technology

3M Crystalline Automotive Window Films feature a proprietary, multilayer optical film technology that combines over 200 layers in a film that is thinner than a Post-it® Note. This unique technology is the reason a clear film can reject more heat than darker films. Thin film technology is a core competency at 3M, and the multilayer film technology we incorporate in our newest window film is similar to those 3M developed for use in a range of products found in your home or office.

For example, our Vikuiti™ Display Enhancement Films increase brightness and reduce energy needs by recycling light of LCD TVs, notebook computers, cell phones and other electronic device displays.

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 a breakthrough technology, 3M Crystalline Automotive Window Films provide unsurpassed infrared heat rejection from sunlight compared to traditional films. This amazing technology allows the lightest tinted 3M Crystalline Automotive Window Film to reject more heat than many of the darkest films available. With a rejection of up to 60% of the total solar energy and up to 97% of the heat-producing infrared rays, you receive the ultimate in comfort.

## See Clearly and Safely

3M Crystalline Automotive Window Films are 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 because these unique films combine low reflectivity with lightly tinted options, they maintain your vehicle's original appearance. So while the film is difficult to see, you'll certainly feel the difference. Crystalline films are available in a variety of tint levels to meet your needs, allowing 40% to 90% of the visible light into your vehicle.

## Stay Connected

3M Crystalline Automotive Window 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 99.9 percent of UV light, 3M Crystalline Automotive Window Films provide a total Sun Protection Factor (SPF) of over 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.

## 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 Crystalline Automotive 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 Crystalline Automotive Window Films

60% TSER

**CR 40**



3M Crystalline Automotive Window Films

56% TSER

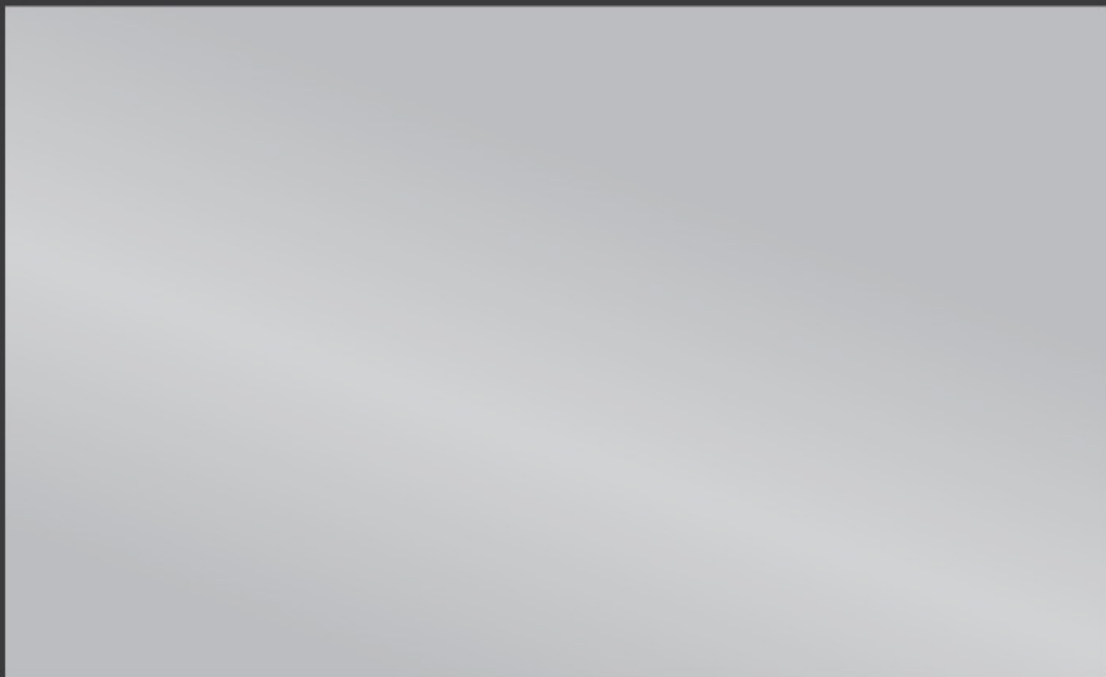
**CR 50**



3M Crystalline Automotive Window Films

53% TSER

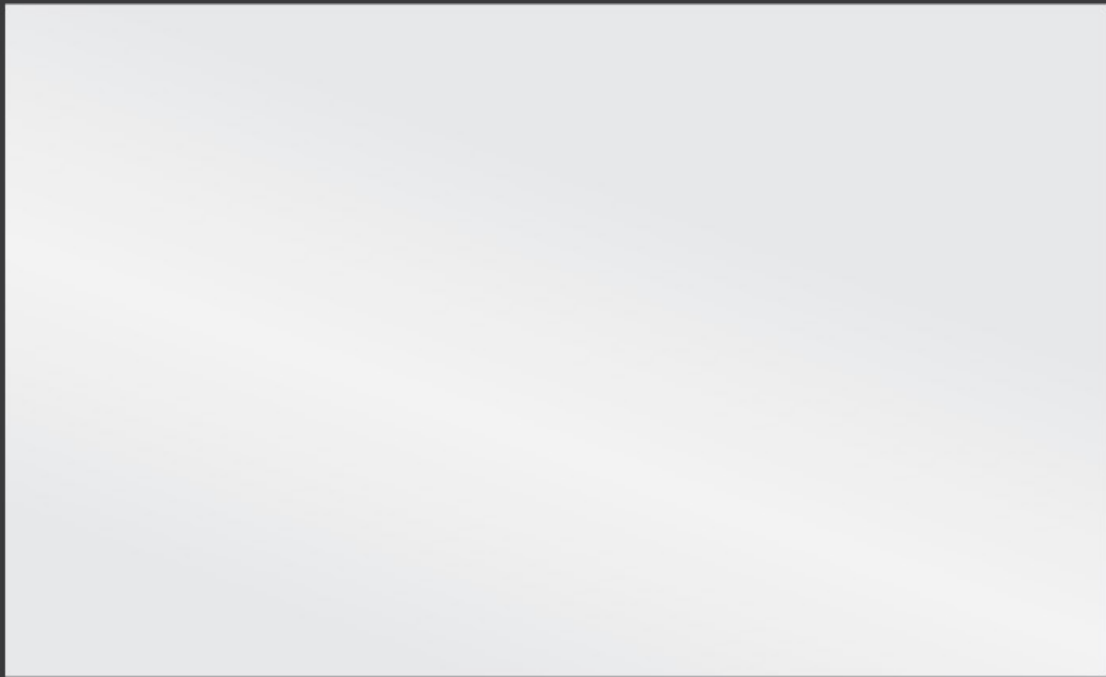
**CR 60**



3M Crystalline Automotive Window Films

50% TSER

**CR 70**



3M Crystalline Automotive Window Films

34% TSER

**CR 90**

## 3M™ Crystalline Automotive Window Films



### CR40 Crystalline 40 60% TSER

Visible Light Transmitted	39%	Visible Light Reflection	7%
Total Solar Energy Rejected	60%	UV Rejection	99.9%
Infrared Rejection*	97%	Glare Reduction	55%

### CR50 Crystalline 50 56% TSER

Visible Light Transmitted	50%	Visible Light Reflection	7%
Total Solar Energy Rejected	56%	UV Rejection	99.9%
Infrared Rejection*	97%	Glare Reduction	44%

### CR60 Crystalline 60 53% TSER

Visible Light Transmitted	60%	Visible Light Reflection	8%
Total Solar Energy Rejected	53%	UV Rejection	99.9%
Infrared Rejection*	97%	Glare Reduction	32%

### CR70 Crystalline 70 50% TSER

Visible Light Transmitted	69%	Visible Light Reflection	9%
Total Solar Energy Rejected	50%	UV Rejection	99.9%
Infrared Rejection*	97%	Glare Reduction	22%

### CR90 Crystalline 90 34% TSER

Visible Light Transmitted	86%	Visible Light Reflection	10%
Total Solar Energy Rejected	34%	UV Rejection	99.9%
Infrared Rejection*	90%	Glare Reduction	3%

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.*



**3M** Automotive Window Films

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

### 3M Renewable Energy Division

3M Center, Building 235-2S-27  
St Paul MN 55144-1000



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.

Printed in U.S.A. 98-0150-0109-6