

**3M** Science.  
Applied to Life.™



# 3M™ Crystalline Automotive Window Films

Ultimate comfort and clarity.

- Spectrally selective, multilayer nanotechnology
- Optimal visible light transmission and heat rejection performance
- Protect vehicle occupants from uncomfortable heat and glare
- Sun protection factor of over 1700
- Reduce reliance on air conditioning to reduce fuel consumption

# 3M™ Crystalline Automotive Window Films

## The 3M Crystalline Series

The Crystalline Series features a proprietary, multilayer optical film nano-technology that combines over 200 layers in a film that is thinner than a Post-it® Note. This unique technology is the reason why a virtually clear film can reject more heat than darker films. They provide a high performance combination of high visible light transmission and low visible light reflection with high heat gain reduction capabilities. The films block almost the entire range of UVA and UVB rays which are a main cause of fading and skin damage.

## Your benefits at a glance

- Reduces heat by rejection of up to 62% solar energy
- IR rejection up to 97%
- No signal interference with mobile phone, GPS and radio
- Superior UV protection, blocking 99,9% of UV light
- Available in a variety of tint levels
- Lighter versions maintain the vehicle's original appearance
- Lighter versions do not impact vision at night-time

## Easy application by 3M partners

The Crystalline Series is intended for use on the inside surface of vehicle windows. The films should be professionally applied by skilled, well-trained, 3M authorised installers. Windows can be considered operational after 24 hours.



## Typical properties

Film Type	Visible Light Transmission	Total Solar Energy Rejected	UV Block	Visible Light Reflected (exterior)	Glare Reduction
Clear glass (6 mm)	89%	19%	38%	8%	NA
Crystalline 20	21%	62%	99.9%	6%	77%
Crystalline 40	39%	60%	99.9%	7%	55%
Crystalline 70	69%	50%	99.9%	9%	22%
Crystalline 90	86%	34%	99.9%	10%	3%

The values above are the results of illustrative lab test measurements and shall not be considered as a commitment from 3M.



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The Skin Cancer Foundation recommends the use of window film in automobiles and commercial and residential buildings due to its properties that screen out UV rays.

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