

# Supreme Ceramic IR Pro Series Automotive Window Film

## Introduction

Avery Dennison Supreme Ceramic IR Pro is a upgraded construction premium quality, non-reflective film range available with different light transmission levels. Made with Supreme Nano-X technology, Supreme Ceramic IR Pro range boosts the Infrared rejection & upgraded TSER.



### Face Film

1.5-2.0 mil black/Black Grey / Dk Grey / Grey / Light Blue color PET (polyester) – Supreme Nano-X technology combined with UV Stable Dye



### Backing

PET (polyester)



### Adhesive

Pressure Sensitive Adhesive (PSA)  
Permanent - acrylic



### Warranty

Lifetime \*  
\*Limited to original private car owner.



### Shelf Life

When stored in original packaging upon arrival at the customer: 2 years.  
Recommended Storage conditions are 25 °C (±10 °C) with 50%RH (± 5%)

## Features

- Boosted IRR with more than 95% and upgraded TSER, providing unmatched protection
- Superior Heat Rejection with High VLT
- Zero signal Interference
- Great ease of handling Easy & speedy installation
- Scratch-resistant hard coat for scratch-free installation and maintenance.
- Excellent solar performance, > 99.% UV block
- Superior aesthetics, ultimate clarity and color stability

## Conversion

Product is designed for automotive window tinting purposes and is easy to size by manual cutting during application. Material should be applied using the wet application method.

## Recommendations

Commonly applied on the internal side of glass substrate of:

- Personal Vehicles
- Commercial and Fleet Vehicles

Before applying for the product, the user shall determine the suitability of the product for its intended use. The user shall ensure that the application and the intended use of the product is in accordance with any and all applicable laws and regulations concerning the use of automotive window film, and the user assumes all risk and liability in connection therewith.

## Optical & Solar Properties

	Supreme Ceramic IR Pro 35	Supreme Ceramic IR Pro 50	Supreme Ceramic IR Pro 65	Supreme Ceramic IR Pro 70	Supreme Ceramic IR Pro 75
Color	Dark Grey	Grey	Light Blue	Light Blue	Light Blue
Visible Light Transmitted (VLT)	35%	50%	65%	70%	75%
Visible Light Reflected (exterior)	6%	7%	8%	9%	9%
Ultraviolet Block	99±1%	99±1%	99±1%	99±1%	99±1%
IR Energy Rejection (IRER)	66%	66%	66%	66%	66%
Glare Reduction	55%	38%	27%	20%	17%
Total Solar Energy Rejected (TSER)	58%	54%	51%	49%	48%
Infrared Rejection (IRR)	>95%	>95%	>95%	>95%	>95%

Performance results are calculated on 6mm clear glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards.

## Definitions

### Visible Light Transmitted (VLT)

The percentage of total visible light (380-780 nanometers) to be passed through a glazing system. Test method - ASTM E 903-96.

### Visible Light Reflected (VLR)

The percentage of total visible light to be reflected by a glazing system. Test method - ASTM E 903-96.

### Ultraviolet Block

The percentage of Ultraviolet radiation (300-380 nanometers) to be blocked by a glazing system. Ultraviolet is one portion of the total solar energy spectrum which greatly contributes to fading and deterioration of fabric and furnishings.

### IR Energy Rejection (IRER)

The percentage of energy rejected of Near Infrared as measured between 780-2500nm. This is the equivalent of the SHGC measuring only the NIR range, and is more accurate than the SIRR as it takes in consideration both reflected and absorbed energy reradiating. Calculated as the TSER over 780-2500nm:  
 $\%IRER = 100\% - 100 \times SHGC$   
(@780-2500nm)

### Glare Reduction

Glare usually defined as being the difficulty of seeing in the presence of bright light such as direct or reflected sunlight or artificial light such as car headlamps at night. Window film can provide glare reduction of up to 95%.

### Total Solar Energy Rejected (TSER)

Measures the window film's ability to reject solar energy in the form of visible light, infrared radiation and ultraviolet light. The higher the TSER number, the more solar energy is rejected away from the window and calculated as 1-SHGC

## Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

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