Avery Dennison
Graphics Solutions
Product Data Sheet

ASEAN
April 2024

Supreme Ceramic Series
Automotive Window Film
Revision 2

Introduction

Avery Dennison Supreme Ceramic is a premium colour stable, non-reflective film range available with different light transmission levels. Made with Supreme Nano-X technology, Supreme Ceramic range delivers impressive solar protection and color durability for a metal free film with the installation features professionals demand.

Face Film
1.5-2.0 mil Phantom black/Spring Azure color PET (polyester) – Supreme Nano-X technology combined with UV Stable Dye

Adhesive
Pressure Sensitive Adhesive (PSA)
Permanent - acrylic

Backing
PET (polyester)

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

- Non-reflective film - glare free, no interference with electronic equipment
- Easy & speedy installation
- Great ease of handling
- Scratch-resistant hardcoat 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 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 user assumes all risk and liability in connection therewith.

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Optical & Solar Properties

	Supreme Ceramic 15	Supreme Ceramic 40	Supreme Ceramic 60	Supreme Ceramic 75	Supreme Ceramic 80
Color	Phantom Black	Phantom Black	Phantom Black	Phantom Black	Spring Azure
Visible Light Transmitted (VLT)	18%	41%	62%	77%	80%
Visible Light Reflected	7%	7%	7%	8%	8%
Ultra Violet Block	99%	99%	99%	99%	99%
IR Energy Rejection (IRER)	80%	55%	51%	40%	80%
Glare Reduction	79%	53%	35%	12%	12%
Total Solar Energy Rejected (TSER)	59%	42%	50%	26%	39%

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.

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*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.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.