Avery Dennison
Graphics Solutions
Product Data Sheet

Australia & New Zealand
June 2026

Ultima Ceramic Performance Series
Automotive Window Film
Revision 1

Introduction
Avery Dennison® Ultima Ceramic Performance Series, the perfect blend of protection, performance, and elegance. With advanced multi layered ceramic film construction delivering superior UV and IR rejection, ensuring unparalleled protection and comfort.

Face Film
48 micron Thickness (film + adhesive)
PET Multi Layered Dyed Ceramic

Adhesive
Pressure Sensitive
Clear Permanent Acrylic

Backing
PET

Warranty
Limited Lifetime Warranty

Shelf Life
2 years from the manufacturing date.
Recommended Storage conditions are 20 °C (± 2 °C) with 50%RH (± 5%)

Features
- Multilayered Superior Protection
- Exceptional Colour Stability and Visual Clarity
- Enhanced Heat Rejection
- Ultimate UV Protection
- Anti-scratch Top-Coat

Widths and Lengths Available
All rolls lengths are 30.48m
UCP 05 width - 508mm, 1524mm
UCP 15 width - 508mm, 1524mm
UCP 20 width - 508mm, 762mm, 1524mm
UCP 35 width - 508mm, 762mm, 1524mm
UCP 50 width - 1524mm
UCP 70 width - 1524mm

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

	UCP 05	UCP 15	UCP 20	UCP 35	UCP 50	UCP 70
Visible Light Transmitted	7%	16%	24%	40%	53%	73%
Visible Light Reflected	6%	6%	5%	6%	6%	6%
Ultraviolet Block	>99%	>99%	>99%	>99%	>99%	>99%
Total Solar Energy Reflected	5%	5%	5%	5%	5%	6%
Total Solar Energy Transmitted	18%	21%	25%	34%	37%	47%
Total Solar Energy Absorbed	77%	74%	70%	61%	58%	47%
IR Energy Rejection	60%	62%	60%	60%	59%	59%
Selective IR Rejection	86%	87%	85%	85%	84%	83%
Glare Reduction	92%	82%	72%	54%	40%	16%
Shading Coefficient	0.43	0.46	0.49	0.57	0.62	0.69
Total Solar Energy Rejected	61%	59%	56%	51%	48%	43%

Performance results are calculated on 3mm clear glass using a Lamda 1050+, 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.

Visible Light Reflected (VLR)
The percentage of total visible light to be reflected by a glazing system.

Total Solar Energy Reflected
The percentage of total solar energy (300-2500 nanometers) to be reflected by a glazing system.

Total Solar Energy Transmitted
The percentage of total solar energy (300-2500 nanometers) to be passed through a glazing system.

Total Solar Energy Absorbed
The percentage of total solar energy (300-2500 nanometers) to be absorbed by a glazing system. Solar absorption is that portion of total solar energy neither transmitted nor reflected. Since solar transmittance and reflectance are measured directly, the following equation is used for calculating solar absorption. Total solar energy absorbed = 100% - (Total solar energy reflected) - (Total solar energy transmitted).

Selective Infrared Rejection (SIRR)
The percentage of IR radiation that does not directly transmit through a glazing system. Calculated as %SIRR = 100% - % Transmission (@780nm-2500 nm).

Infrared Energy Rejection (IRER)
The percentage of energy rejected of Near Infrared as measured between 780-2500 nm. 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 (@780-2500 nm)

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.

Shading Coefficient (SC)
The ratio of the solar heat gain through a given glazing system to the solar heat gain under the same conditions for clear, unshaded double strength window glass (DSA). Shading coefficient defines the sun control capability or efficiency of the glazing system.

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.

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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.

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