

Avery Dennison  
Graphics Solutions  
Product Overview

Asia Pacific - ANZ  
November 2021

# NR Nano Ceramic IR Automotive Window Films

Ultimate Premium Performance  
with Nano Ceramic Technology



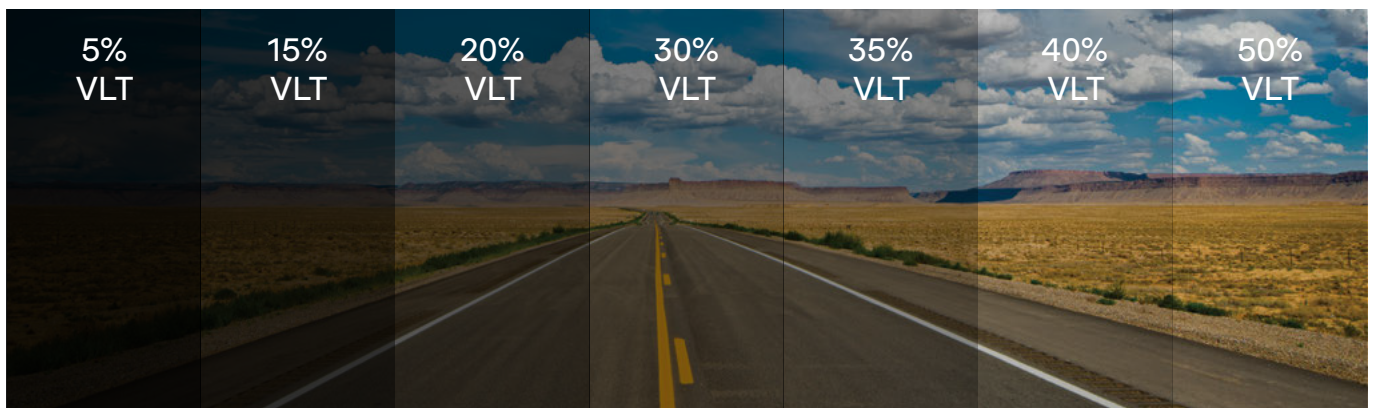
Avery Dennison® NR Nano Ceramic IR Series tinting film delivers exceptional performance with advanced nano ceramic technology, for long lasting colour stability and outstanding heat rejection. Its high optical clarity and deep graphite colour tone upgrades vehicle aesthetics for a stunning look and comfortable ride.

## Features and Benefits

- Latest nanoceramic technology delivers extreme infrared heat rejection, up to 87% (SIRR)
- Certified maximum UV protection 50+, blocks >99% of harmful UV rays
- Scratch-resistant hardcoat for scratch-free installation and maintenance.
- Maximum glare reduction, up to 93%
- Zero interference of electronic equipment (metal free)
- Lifetime warranty<sup>2</sup>

## Deep Graphite Appearance<sup>1</sup>

The attractive UV-stable deep graphite tone of NR Nano Ceramic IR tinting films are available in seven VLT levels which upgrade vehicle appearance.



This image has been simulated and is not actual product comparison

## Ease Of Installation

Excellent professional installer features including optimal heat-shrink capabilities that tack fast, for a durable and secure fit as well as easy clean removal for effortless adjustments.

## Film Properties

Series	Technology	Colour Tone	Construction	Thickness	Warranty	Colour Stable
NR Nano Ceramic IR Non Reflective	Nanotechnology, Nano ceramic+IR, UV Stable Dye Metal-Free	Deep Graphite	2-Ply Weatherable	1.5 Mil	Lifetime, Limited Non-Transferable <sup>2</sup>	Yes

## Optical and Solar Properties<sup>3</sup>

Film	NR Nano Ceramic IR 05	NR Nano Ceramic IR 15	NR Nano Ceramic IR 20	NR Nano Ceramic IR 30	NR Nano Ceramic IR 35	NR Nano Ceramic IR 40	NR Nano Ceramic IR 50
Item Number	R058P0IR	R058P9IR	R058P6IR	R058P8IR	R058P5IR	R058P4IR	R058P7IR
Visible Light Transmitted	6%	17%	20%	30%	35%	40%	48%
Visible Light Reflected (Exterior)	7%	7%	7%	7%	7%	7%	8%
Glare Reduction	93%	82%	78%	66%	60%	54%	45%
Total Solar Energy Rejected (TSER)	64%	60%	59%	56%	54%	52%	50%
Infrared Energy Rejection (IRER) <sup>4</sup>	62%	60%	60%	59%	58%	57%	57%
Selective Infrared Reduction (SIRR) <sup>5</sup>	87%	85%	85%	83%	82%	81%	81%
Ultraviolet Block	>99%	>99%	>99%	>99%	>99%	>99%	>99%

<sup>1</sup> Colours and tinting level are an approximate match. For a true colour reference, please refer to the actual film sample.

<sup>2</sup> [zgraphicsap.averydennison.com](http://zgraphicsap.averydennison.com)

<sup>3</sup> Performance results are calculated on 1/4" (6mm) clear glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards.




<sup>4</sup> IRER - InfraRed Energy Rejection: the percentage of Near Infrared Energy Rejection as measured between 780-2500nm. Calculated as the TSER over 780-2500nm: %IRER = 100% - 100\*SHGC (@ 780-2500nm).

<sup>5</sup> SIRR - Selective InfraRed Rejection: the percentage of IR radiation that is not directly transmitted through a glazing system. Calculated as %SIRR = 100% - % Transmission (@ 780-2500nm).



Films have been tested by the Australian Radiation Prevention and Nuclear Safety Agency and have been given the highest possible Ultraviolet Protection Factor rating of 50+.

For more information, contact Avery Dennison customer service or your sales representative, or visit [graphicsap.averydennison.com](http://graphicsap.averydennison.com)

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