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Avery Dennison®

# NR Nano Ceramic IR Automotive Window Film

## Advanced Nano Ceramic Heat Rejection

Avery Dennison® NR Nano Ceramic IR automotive window film deliver exceptional performance with advanced inorganic nanoparticles for long lasting color stability and outstanding heat rejection.

### Features and Benefits

- Up to 87% Selective Infrared Rejection
- Blocks >99% of harmful UV rays for maximum skin protection
- Zero interference of electronic equipment (metal free)
- Easier stock handling with a printed liner that shows footage remaining on the roll



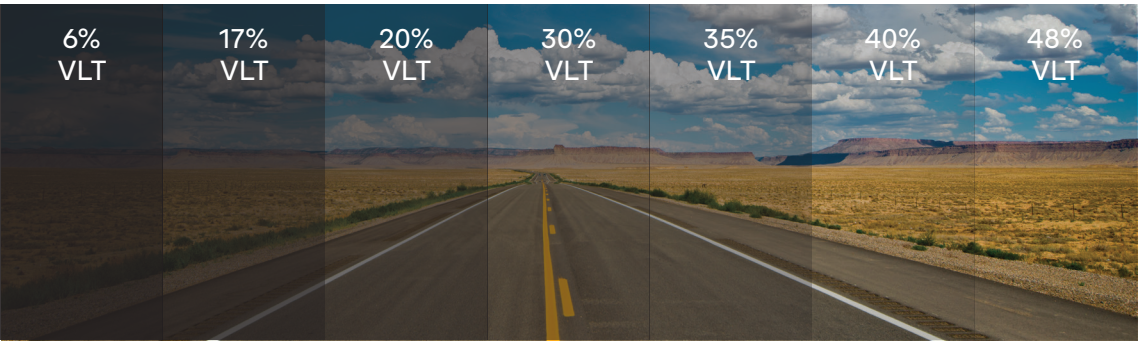
Series	NR Nano Ceramic IR Non Reflective
Technology	Nanotechnology Nano ceramic+IR UV Stable Dye Metal-Free
Color Tone	Deep Graphite
Construction	2-Ply Weatherable
Thickness	1.5 Mil
Warranty	Lifetime, Limited Non-Transferable <sup>1</sup>
Color Stable	Yes

Optical & Solar Properties<sup>2</sup>

Film	Ultra-violet Block	Visible Light		Glare Reduction	Selective Infrared Rejection <sup>3</sup>	Infrared Energy Rejection <sup>4</sup>	Shading Coefficient	Total Solar Energy			
		Transmitted	Reflected (Exterior)					Reflected	Transmitted	Absorbed	Rejected
NR Nano Ceramic IR 05	>99%	6%	7%	93%	87%	62%	0.42	6%	10%	84%	64%
NR Nano Ceramic IR 15	>99%	17%	7%	82%	85%	60%	0.46	6%	16%	78%	60%
NR Nano Ceramic IR 20	>99%	20%	7%	78%	85%	60%	0.47	5%	17%	77%	59%
NR Nano Ceramic IR 30	>99%	30%	7%	66%	83%	59%	0.51	7%	22%	71%	56%
NR Nano Ceramic IR 35	>99%	35%	7%	60%	82%	58%	0.53	6%	25%	69%	54%
NR Nano Ceramic IR 40	>99%	40%	7%	54%	81%	57%	0.55	7%	27%	66%	52%
NR Nano Ceramic IR 50	>99%	48%	8%	45%	81%	57%	0.58	7%	31%	62%	50%

Deep Graphite Appearance<sup>5</sup>

The UV stable deep graphite color tone of NR Nano Ceramic IR automotive window films are offered in seven VLT levels.



This image has been simulated and is not actual product comparison.

<sup>1</sup>For information on warranty terms, exclusions and certain limitations that apply please see the applicable product data sheets and other literature and bulletins on our website: [graphics.averydennison.com/pds](https://graphics.averydennison.com/pds).  
<sup>2</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>3</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).  
<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>Colors and tinting level are an approximate match. For a true color reference, please refer to the actual film sample.  
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