



COAST GLASS

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**Rare Earth**

## **RARE EARTH TARGETED THERMAL INSULATION AUTOMOTIVE WINDOW FILM**

Blocking up to 99% of UV and infrared rays, offering both heat insulation and sun protection

## PRODUCT INTRODUCTION

### RARE EARTH TARGETED THERMAL INSULATION AUTOMOTIVE WINDOW FILM

- Using rare earth, rare metal, and nano-coating composite technology.
- Shields infrared heat and harmful UV rays via inorganic materials like ATO and CWO.
- Offering better light transmittance, clarity, heat-shielding, and UV-resistance.



## WHY DO WE NEED TO APPLY FILM

### Privacy

When seeking privacy protection, avoid high - reflection and glare films. Though they offer strong privacy, their glare can increase driver fatigue, especially at night, threatening driving safety. At night, high - reflection films may cause rear - view mirrors and windshields to reflect the car's interior, which is very dangerous.

### Heat - insulating

In the pursuit of thermal insulation, it is advisable to steer clear of dyed and data films. These options are not only environmentally unfriendly but also prone to a decline in thermal insulation performance over time. Our Targeted Thermal Insulation Films assure that their products will experience no more than 5% degradation in thermal insulation performance throughout their entire lifespan.

### UV - resistant

In terms of blocking harmful ultraviolet (UV) rays, the front windshield and sunroof usually don't need extra attention, as they already block UV rays quite well. The real focus should be on the side and rear windows. Our products can block  $\geq 99\%$  of UV rays.

### Safety

For safety, select window films with tested thickness and puncture resistance, and qualified adhesive. Front windshields and sunroofs, made of laminated glass, are explosion-proof by nature. Adhesive quality affects glass - film bonding and in - car environment, being more critical than heat or UV shielding. Substandard adhesives can lead to film issues, endangering driving safety. Our products use Aerospace Sanwo's environmentally friendly adhesive and meet all explosion - proof standards.

### Rare earth targeted thermal insulation automotive window film

Meet national and industry reflection standards (reflection rate  $\leq 10\%$ ), ensuring driving safety.

## AUTOMOTIVE WINDOW FILM PARAMETERS

Data Model	Ultraviolet Rejection Rate	Infrared Rejection Rate	Visible Light Transmittance	Total Solar Energy Rejection rate	Thickness
Front Side Window X-070	99%	97%	70%	60%	2mil
Rear Side Window X-025	99%	95%	25%	82%	
Rear Side Window X-015	99%	99%	15%	90%	
Sunroof X-008	99%	93%	8%	92%	



0 Signal Blockage Rate	Super Heat Insulation Infrared Rejection Rate <b>≥95%</b>	Better UV protection Ultraviolet rejection rate <b>≥99%</b>	<b>20%</b> More energy-efficient Reduced load
	Safer Puncture pressure <b>87N</b>	Better anti-glare Internal reflection rate <b>≤10%</b>	



Anti-glare



Clear vision



Explosion- proof



High- heat insulation



High- UV Protection



No signal interference