

## SilShield® NE35 Solar Control Film for Locomotive

### 矽盾® NE35 型机车专用隔热膜

#### Product Description 产品简介

SilShield® NE35 is a specialized film manufactured using optical-grade PET, featuring a unique structure and coating. By combining magnetron sputtering with nano-insulating particles, it delivers exceptional thermal insulation performance. This film is designed to be applied on glass surfaces, selectively blocking specific spectra of light to achieve effective thermal insulation. It also offers a certain level of blast resistance by adhering to glass fragments, minimizing the risk of secondary injuries after glass breakage. Additionally, it provides protection against harmful UV radiation, effectively delaying the fading of car interiors, including seats and decorative items. The top layer is coated with a scratch-resistant resin, ensuring long-lasting durability. With its natural color tone, the film allows for glass color decoration and creates a uniform appearance.

SilShield® NE35 型太阳隔热膜是一种采用光学级 PET 制造的薄膜，具有特殊的结构和涂层。通过磁控溅射和纳米隔热颗粒的结合，获得卓越的隔热效果。该膜可应用于车窗和车门玻璃表面，通过选择性光谱阻隔实现有效的隔热效果。同时，它还具备防爆功能，在玻璃破碎后能够黏住碎片，降低二次伤害的可能性。此外，该膜还具有紫外线阻隔功能，延缓车内座椅和装饰物的褪色。表面涂布的防刮伤树脂层使膜具有长久耐用的特性。整体薄膜呈现自然色彩，可用于玻璃的装饰和统一色调。

#### Main ingredients 主要成分

- Utilizes optical-grade PET with magnetron sputtered metal layer and nano-insulating particles.
- Incorporates a specialized acrylic resin adhesive.
- Features an acrylic scratch-resistant coating for enhanced durability.
- Includes a high transparent liner film for easy removal.
- 光学级 PET 及磁控溅射金属层、纳米隔热粒子层
- 特殊丙烯酸树脂胶水
- 丙烯酸耐候防刮伤涂层
- 高透离型层

## Product structure 产品结构



## Application Area 应用区域

需要隔热、装饰的门玻璃、窗玻璃等玻璃材质的表面. 适用于平面，非曲面的表面。

Suitable for surfaces of glass materials such as door glass and window glass that require both thermal insulation and decoration. Applicable to flat surfaces, not suitable for curved surfaces.

## Technical Data & Test Reports 技术参数 & 检测报告

Item	Data
Film thickness	2mil
UV Rejection Rate	99.9%
Visible Light Transmittance	43%
Infra-ray Rejection Rate	90%
Hardness	2H
Visible Light Refection (Ex/In)	13%/11%

## Product Packing 产品包装

Ggaea-Meilleur specializes in providing flexible support and services tailored to meet the needs of our esteemed customers. We offer custom-sized film sheets and tinting services, ensuring a personalized solution for each client. Our mission is clear: we aim to empower our customers by delivering professional-grade products and innovative solutions. By doing so, we enhance

their competitiveness within their respective industries, while simultaneously securing mutual success for both Ggaea-Meilleur and our valued clients.

对我们珍视的客户，至亚美莱提供灵活的支持和服务。我们不仅可以提供卷材，也提供按照客户尺寸我们的使命是：为客户提供最专业的整体解决方案，帮助客户在他们的领域取得成功。

### Storage 存储

Storage Period: 6 months from the date of receipt by the customer.

Storage Temperature: Store under conditions avoiding direct sunlight, at an indoor ambient temperature of  $23\pm 5^{\circ}\text{C}$  and humidity of  $55\pm 10\%$ .

储存期限：从客户收到之日起 6 个月。

储存温度：避免阳光直射，室内环境温度  $23\pm 5^{\circ}\text{C}$ 和湿度  $55\pm 10\%$ 的条件下储存。

### Application 产品安装及施工

- Thoroughly prepare the substrate surface, ensuring it is free from oil and dust.
- Tint the film in a controlled, dust-free environment.
- You have the option to use either an automatic laminating machine or apply the film manually.
- Ensure the ambient temperature for film application is above 10 degrees Celsius.
- Note that extreme environmental conditions may impact the longevity of the products.
- 在贴膜前需要基材表面进行处理，避免油污、灰尘
- 贴膜应在无尘环境中进行
- 可以使用自动贴膜机进行贴膜，也可以人工湿贴
- 贴膜的环境温度应该在 10 摄氏度以上
- 极端的环境条件会降低产品的使用寿命

### Contact info 联系方式

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