



SilShield® SIPS-12 Safety & Security Film

矽盾® SIPS-12 防暴安全膜

Product Description 产品简介

SilShield® SIPS-12 Safety Film is crafted with optical-grade PET and high-performance hard coatings, boasting a unique structure. It provides a seamless solution by seamlessly adhering to glass surfaces, creating an invisible protective barrier. This film effectively addresses safety concerns associated with delicate window and door glass, enhancing security. Additionally, it offers the added benefits of UV ray blocking and prolonging the lifespan of car seats and decorative elements by preventing fading.

SilShield® SIPS-12 安全防爆膜是一款使用光学级 PET 生产的具有特殊结构和涂层的薄膜。可以贴覆到车窗门玻璃的表面，使之具有无形屏障功能，能有效解决车窗门玻璃易碎引发的安全问题；同时具有阻隔紫外线、延缓车内座椅、装饰物褪色的功能。

Main ingredients 主要成分

- Optical grade PET 光学级 PET
- Special acrylic resin adhesive 特殊丙烯酸树脂胶水
- Acrylic scratch resistant coating 丙烯酸耐候防刮伤涂层
- High transparent liner film 高透离型层

Product structure 产品结构

1st Layer: Hard-coating layer

2nd Layer: PET base

3rd Layer: Acrylic adhesive layer

4th Layer: PET liner





Application Area 应用区域

需要保护的玻璃、窗玻璃等玻璃材质的表面。适用于平面，非曲面的表面。Glass on windows or doors. Only apply to flat surface.

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

Item	Data
Safety film thickness	30 um (12mil)
Fracture strength	1129 N
Peeling strength	22 N
Elongation at break	110%
Puncture strength	286 N
Wear resistance test	< 4%
Optical distortion	0.4'
Shading coefficient	0.9
Visible light reflection rate	9%
Visible light transmittance	89%
UV resistance	99%
Splash test TJ/CL 439-2015-7.19	pass
Temperature resistance TJ/CL 439-2015-7.18	pass
Content of harmful substances TB/T3139-2006	pass
Chemical resistance TJ/CL 439-2015-7.12	pass
Combustion resistance GB8410-2006	pass
Combustion test British BS6853	Ia
Combustion test EN45545 R1	HL3

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.



Innovation For the Future

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 life: 6 months from the date of customer's receipt.

Storage temperature: avoid direct sunlight, indoor environment temperature $23\pm 5^{\circ}\text{C}$ and humidity $55\pm 10\%$ under the condition of storage.

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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