

3M透明薄膜技術。

晶銳系列採用專有的多層光學薄膜納米技術，把200多層光學塗層結合於一片比Post-it®便條紙還要薄的薄膜上。這一獨特的技術令一張通透的薄膜比深色薄膜阻擋更多熱量。我們在最新的玻璃膜中應用的多層薄膜技術與3M用於一系列家庭及辦公室產品中的技術同樣出色。

3M clear film technology.

The Crystalline Series features a proprietary, multilayer optical film nano-technology that combines over 200 layers in a film that is thinner than a Post-it® Note. This unique technology is the reason a clear film can reject more heat than darker films. Thin film technology is a core competency at 3M, and the multilayer film technology we incorporate in our newest window film is similar to those 3M developed for use in a range of trusted products found in your home or office.

200

多層納米技術薄膜
layers of
nano-technology film

發明、創新和改進。

3M在1966年就獲得了第一個玻璃隔熱膜專利，50年來，我們的創新玻璃膜產品一直幫助阻擋有害的太陽光線。

Invented, innovated and improved.

3M was issued the first sun control window film patent in 1966, and our innovative window film products have helped provide protection from the sun's harmful rays for 50 years.

合法安裝汽車玻璃隔熱膜

香港運輸署對車輛玻璃的透光率有嚴格規定。車主於完成汽車玻璃膜安裝後，必須向運輸署申請豁免有關規定，以獲得張貼不反光透光隔熱膜於車窗上的許可。有關法規與申請豁免的程序，3M™特約施工商均可為您提供專業的指引。

Regulatory compliance in automotive window film installation

The Transport Department of Hong Kong strictly stipulates the requirements in the light transmission rate of vehicle glass. Upon installation of automotive window film, vehicle owners are required to apply for exemption from the relevant regulation and acquire permission to apply non-reflective film on vehicle windows. Consult our 3M™ Authorized Applicators for professional advice on both compliance and procedures.

3M™特約施工商 3M™ Authorized Applicator

www.3M.com.hk/Autofilm

3M

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3M、報事貼及Post-it為3M公司商標。

3M 科技
改善生活™

3M™汽車玻璃隔熱膜晶銳系列
3M™ Automotive Window Film Crystalline Series

極致的舒適和通透 Ultimate comfort and clarity.



晶銳系列
Crystalline Series

汽車玻璃隔熱膜的 重大突破。 A clear breakthrough in automotive window films.

3M™汽車玻璃隔熱膜晶銳系列比一般深色玻璃膜阻隔更多熱量之餘，同時保持清晰視野及車輛外觀，是您提升車廂舒適度的最佳選擇。

3M™ Automotive Window Film Crystalline Series rejects more heat than many dark films without changing the appearance of your vehicle, making it the superior choice for comfort.

3M™ 汽車玻璃隔熱膜晶銳系列

3M™ Automotive Window Film Crystalline Series

型格又涼快 Stay cool

晶銳系列可讓淺色調的玻璃膜比其他許多深色玻璃膜更有效阻隔熱量。光學塗層能阻隔高達97%產生熱量的紅外線，總隔熱率更達60%，從而為您提供極致舒適享受。

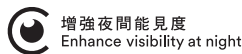
The Crystalline Series allows the lightest tint to reject more heat than many of the darkest films available. Rejection of up to 60% of the total solar energy and up to 97% of the heat-producing infrared rays gives you the ultimate in comfort.



視野清晰又安全 See clearly and safely

晶銳系列以保持清晰視野為設計理念，讓可見光進入車輛的同時有效阻隔熱量，這樣您可通過車窗清晰看到車外景觀，並且保留車輛的原始外觀。

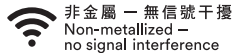
The Crystalline Series is designed to enhance your view by allowing visible light into your vehicle while keeping heat out, so you can see clearly through your windows — and maintain your vehicle's original appearance.



無間斷通訊 Stay connected

晶銳系列採用光學塗層技術而棄用可氧化之金屬層，不會影響流動通訊設備、GPS、自動繳費設備及衛星通訊器材之運作。

The Crystalline Series is a non-metallized window film that won't interfere with mobile devices, GPS, auto-tolling device or satellite radio reception.



選擇您的保護級別

Choose your level of protection

晶銳系列有不同的色調供您選擇，以滿足您的需求。

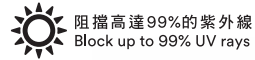
The Crystalline Series is available in a variety of tint levels to meet your needs.

* 性能數據使用適用行業認可的測試方法和標準量度。紅外線阻隔率僅適用於900nm到1000nm的波長。
Performance data generated using applicable industry test methods and standards. Infrared rejection measured on film only from 900nm to 1000nm.

防曬出色 Superior UV protection

晶銳系列可阻擋高達99%的紫外線(UV)，並提供高達1000的總防曬係數(SPF)，保護皮膚免於變黑或灼傷。

Blocking up to 99% of ultraviolet (UV) light, the Crystalline Series provides a total Sun Protection Factor (SPF) of 1000. This helps provide vehicle occupants with significant protection from harmful UV rays.



減少眩光 Reduce glare

晶銳系列可減少達55%的刺眼眩光，讓您在駕駛時視野更清晰，注意力更集中。

The Crystalline Series reduces up to 55% of the glare from blinding sunlight, allowing you to see better and concentrate more on driving.



5年品質保證 Limited 5-year warranty

3M為晶銳系列提供5年品質保證。這是您可得到的最全面保證之一。由專業的3M™特約施工商出售和安裝，我們的玻璃隔熱膜持久耐用，幾乎不用保養護理。

The Crystalline Series is backed by a limited lifetime warranty, one of the most comprehensive warranties you can get. Sold and installed by professional 3M™ Authorized Applicators, our films are durable, designed to last and virtually maintenance free.



	CR40	CR50	CR60	CR70	CR90
TSER 總隔熱率 Total Solar Energy Rejected	60%	56%	53%	50%	34%
紅外線阻隔率* Infrared Rejection*	97%	97%	97%	97%	90%
紫外線阻隔率 UV Rejection	99%	99%	99%	99%	99%
眩光降低率 Glare Reduction	55%	44%	32%	22%	3%

您要了解的術語 Terms to know

- ▶ **總隔熱率(TSER) Total Solar Energy Rejected (TSER)**
貼膜玻璃阻隔的總太陽能的百分比。該值越高，透過的太陽能熱量越少。
The percentage of total solar energy rejected by filmed glass. The higher this value, the less solar heat is transmitted.
- ▶ **透光率 Visible Light Transmitted**
直接穿透貼膜玻璃的可見光的百分比：該值越高，玻璃膜越通透。
The percentage of visible light that passes directly through filmed glass: the higher the number, the lighter the film.
- ▶ **紅外線阻隔率 Infrared Rejected**
玻璃上的貼膜阻隔的紅外線的百分比。紅外線是您駕駛時感覺到灼熱的主要原因。
The percentage of infrared light rejected by the film on the glass. Infrared light is primarily responsible for the heat you feel when driving.
- ▶ **紫外線阻隔率 UV Rejection**
貼膜玻璃阻隔的有害紫外線的百分比。紫外線可造成曬傷和其他皮膚問題，同時令布料和皮革褪色及老化。
The percentage of harmful ultraviolet light that is rejected by filmed glass. Ultraviolet light contributes to sunburn and other harmful skin conditions and to the fading and deterioration of fabrics and leather.
- ▶ **眩光降低率 Glare Reduction**
貼上玻璃膜所減少的可見光百分比。
The percentage by which visible light is reduced by the addition of film.

