

3M™ Crystalline Sun Control Window Films

Product Description

3M™ Crystalline Sun Control Films consist of multi layer optical and metal free films based on nanotechnology. This unique technology is the reason a clear film can reject more heat than darker films. They provide a high performance combination of high visible light transmission, low visible light reflectivity, with exceptionally high heat gain reduction capabilities. Additionally, the films block almost the entire amount of UVA and UVB rays which are the main cause of fading.

Application

3M™ Crystalline Sun Control Films are intended for use on the inside surface of automotive windows. The patented multi layer construction and manufacturing process guarantees a high quality and an even longer life expectancy compared to other film solutions.

Key Benefits

- Enhanced view by allowing visible light into your vehicle while keeping heat out
- Protect children and rear seat passengers from uncomfortable heat and glare
- Superior UV protection providing a total Sun Protection Factor (SPF) of over 1000
- Reduce the workload on air conditioners, thereby reducing fuel consumption
- Due to the combination of low reflectivity with lightly tinted options, the films maintain the vehicles original appearance

Physical Properties

Thickness: 0,062 mm / 62µm
 Colour: Virtually clear/ slightly tinted
 Material of the film: Coextruded PET/ coPMMA
 Adhesive: Permanent, pressure sensitive acrylic
 Top coating: Abrasion resistant hard coat

Available Sizes

CR 40	610 mm x 30,5m
CR 40	1520 mm x 30,5m
CR 70	910 mm x 30,5m
CR 70	1520 mm x 30,5m
CR 90	1520 mm x 30,5m

Shelf Life

To ensure the longest shelf life possible be sure to store the film according to the guidelines given in each box. Recommended storage conditions for all films are 21°C and 40 – 50 % relative humidity. Films should be kept in the original packaging and not exposed to heat, light or relative humidity above 50%. When stored according to these recommendations, a shelf life of at least 5 years can be expected.

Cleaning

3M Window films may be cleaned 14 days after installation using ordinary automotive window cleaning agents and avoiding the use of abrasive particles. Do not use rough sponges, cloths or brushes. Synthetic sponges, soft wipes or rubber squeegee cleaners are recommended.

Solar properties

	Visible Light Transmitted	Visible Light Reflected	Total Solar Energy Rejected	Heat Gain Reduction	UV Rejection	Glare Reduction
Clear Glass (6mm)	89%	8%	19%	NA	38%	NA
CR 40	39 %	7%	60%	50%	99.9	55%
CR 70	69%	9%	53%	38%	99.9%	22%
CR 90	86%	10%	34%	21%	99.9%	3%

General notes:

All technical data is based on a combination of relevant European test methods and/or US test methods. Before using this product the customer / applicator must ensure the product is suitable to be used for the intended purpose and it will fulfil the local law for automotive windows. If there is any uncertainty, please check with your local 3M Window Film specialist. All issues regarding warranty and liability for the product and the effect of its use are governed in accordance with the provisions of the appropriate contract of sale unless local laws dictate otherwise.



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