Technical Data Sheet

Effective: 19/08/2020 Supersedes: 01/08/2003

Automotive Aftermarket Division

3M™ Scotch™ Clear Masking Films

1) Part Numbers

07838
80110

2) Description and end uses

Scotch™ Film 07838 and 80110 is a clear masking film designed for all gross masking purposes in the refinish industry. Its static properties hold the film in place allowing large areas of a vehicle that do not require painting to be protected from overspray quickly and accurately.

Sizes available:
07838 - 4m width x 150m length
80110 - 5m width x 120m length

The temperature resistance of up to 115°C for one hour allows the film to be used with all types of curing /drying methods, including conventional low bake and Infra-Red lamps and ovens.

Features	Advantages	Benefits
High density polyethylene film (HDPE)	• Excellent paint, solvent and water resistance • Good temperature performance • Good conformability • Easy to cut and trim	• No bleed through • Allows repeated bake cycles • Easy handling (saves time) • Nice and easy handling (saves time)
Specially treated	• Very good paint anchorage	• No need for using paper on the surroundings of the area to be repaired
Translucent	• Neutral colour	• Very easy to identify where the film should be trimmed

3) Physical Properties

Thickness	:	0.0114 mm	AFERA 4006
Tensile strength (machine direction)	:	17N/25 mm	AFERA 4004
Tensile strength (cross direction)	:	10N/25 mm	AFERA 4004
Temperature performance	:	115°C	

Satisfactory performance of the Scotch™ Clear Masking Film may be achieved at varying temperatures/time exposure on many substrates. Tests should be conducted to establish Scotch™ Film 07838 performance parameters in your process conditions.

4) Directions for Use

1. Ensure that the film is used the correct way around on the vehicle prior to paint application. To achieve this make sure that when the film is placed on the vehicle the '3M' logo and the 'Paint this side' printed onto the surface of the film reads correctly and are not reversed. Failure to do so may result in rework.

2. The vehicle should be as dry as possible prior to masking to avoid any damp being trapped under the film during the baking/drying process.

Note: We would advise that if any areas of damp are noticed prior to the baking process, the film be slit with the appropriate cutter to allow the moisture to escape.

3. When used in conjunction with the dedicated 3M™ Masking film dispenser (PN: 50872), the film can be applied quickly and easily to the entire vehicle by one person, saving time and money.

4. Care must be taken when cutting the film around the areas to be painted, not to scratch or damage the vehicle.

5) Storage

Store in clean dry place. Temperature of 21°C and 50 percent relative humidity are recommended.

6) Safety

3M™ Automotive Aftermarket Products are designed FOR PROFESSIONAL USE ONLY

Always use the product in the manner in which it is designed to be used.
Ensure the correct PPE must be worn at all times.
When removing the masking film after use from the vehicle, it should be disposed of following local authority/ country guidelines.

7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, 3M expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

For Additional Health and Safety Information

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