



Adhesive, Tape, Paper, Masking

1 Scope

1.1 Material Description. A pressure sensitive tape having a thin flexible crepe paper backing, which is commonly referred to as general purpose masking tape.

1.1.1 General. The adhesive shall cause the tape to adhere immediately and firmly to clean, dry surfaces to which the tape is generally applied during masking operations without wrinkling, curling, breaking, or lifting. The tape, when applied over a painted surface, shall not strip off or remove any portion of the underlying paint coating upon removal, when such coating has been applied according to the accepted commercial practice. There shall be no separation of the adhesive from the backing upon unwinding the rolls or upon removal from metal lacquer, enamel, or painted surfaces after application of finishing materials such as is commercially encountered in the masking field utilizing this product. There shall be no liner over the adhesive. When used for masking painting operations, finishing materials shall not penetrate the paper sufficiently to have a deleterious effect on the adhesives.

1.2 Symbols. Not applicable.

1.3 Applicability. Hole covering to prevent leakage of injected pillar foam.

1.4 Remarks. None.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

ASTM D1000

2.2 GM Standards/Specifications.

GMW3059

GMW14270

2.3 Additional References.

Safety and Industrial Hygiene (S&IH) Technical Standard (TS), S&IH TS 3.4-160-02

3 Requirements

3.1 Tests per ASTM D1000.

3.1.1 Color: Natural.

3.1.2 Tensile strength: Minimum, 3.2 N/mm.

3.1.3 Elongation: Minimum 7%.

3.1.4 Peel adhesion strength (to steel), Minimum 0.20 N/mm (Method A).

3.1.5 Unwind force, Maximum: 0.18 N/mm.

3.1.6 Stain resistance: Good.

3.2 Form and Quality.

3.2.1 Shelf Life. Material shall pass all requirements of this specification after aging material in the original container 90 days at 35 °C.

3.3 Identification. The following information shall appear on each container:

- GM part number.
- Manufacturer's identification.
- Part number and batch number.
- Date of manufacturer; and quantity and weight of material.

3.4 All materials supplied to this standard must comply with GMW3059, **Restricted and Reportable Substances**, including the requirement to submit a full material composition disclosure to GM via the International Material Data System (IMDS) or via a completed GMW3059 report form.

4 Manufacturing Process

Not applicable.

5 Rules and Regulations

5.1 Legal Regulations. All materials must satisfy applicable laws, rules, regulations and recommendations valid in the country of usage.

5.2 Language. In the event of conflict between the English and domestic language, the English language shall take precedence.

5.3 Inspection and Rejection. Samples of components or materials released to a GM material specification shall be tested for conformity with the requirements of this material specification and approved by the responsible Engineering department prior to commencement of delivery of bulk supplies.

A new approval must be received for any changes, e.g., properties, manufacturing process, location of manufacture, etc. If not otherwise agreed, all testing and documentation normally required for initial release must be completed.

It is the responsibility of the supplier to inform the customer in a timely manner, without solicitation, and to include documentation of all modifications of materials and/or processes and to apply for a new release.

5.4 Material Safety Data Sheets/Safety Data Sheets (MSDS/SDS). For new product submissions, or when a change in chemical composition of an existing product has occurred, a complete copy of the Material Safety Data Sheet/Safety Data Sheet must be submitted in compliance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) requirements or other country-specific MSDS/SDS requirements. In addition, product MSDS/SDS submissions must be in compliance with specific country General Motors S&IH TS 3.4-160-02 where available.

6 Approved Sources

Materials supplied to this specification must be approved by General Motors.

A list of approved materials can be found in the GM Materials Approved Source List. To access this list, reference GMW14270 for latest location. This GM material file is provided to third parties to reduce redundant testing of materials. If an approved material is used, the part supplier can use the GM material file reference for Production Part Approval Process (PPAP) material approval. If the decision is made to use a not yet approved material, contact Adhesives Global Subsystem Leadership Team for details on the approval process. The material approval process must be completed prior to PPAP start date of the part supplied to General Motors.

7 Notes

7.1 Glossary. Not applicable.

7.2 Acronyms, Abbreviations, and Symbols.

ASTM	ASTM International
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IMDS	International Material Data System
MSDS	Material Safety Data Sheet
PPAP	Production Part Approval Process