



Adhesive, Tape, Duct

1 Scope

Note: Nothing in this standard supercedes applicable laws and regulations.

Note: In the event of conflict between the English and domestic language, the English language shall take precedence.

1.1 Purpose/Material Description. A pressure sensitive adhesive tape having a plastic coated, cotton cloth or polyester backing. Tape shall adhere well to metal, glass, plastic, and painted surfaces even when some oily soil is present. Tape shall remain pliable and tacky when exposed to temperature, moisture and sunlight conditions as encountered in automotive applications. Adhesive shall be highly resistant to creep.

1.2 Symbols. Not applicable.

1.3 Applicability. Hole covering and other sealing applications.

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

GMW14444

GMW16853

2.3 Additional References.

- GM Part Number 9985159

3 Requirements

See Table 1.

Table 1: Requirements

Properties	Values	Test Methods
Color	Black, Gray	-
Tensile Strength, newtons per meter (N/m), minimum	3500	ASTM D1000 ^{Note 1}
Peel Adhesion Strength, newtons per meter (N/m), minimum	285	ASTM D1000 ^{Note 1}
To steel		
To backing	175	
Unwind Force, newtons per meter (N/m), maximum (Only if tape is on liner)	800	ASTM D1000 ^{Note 1}

Properties	Values	Test Methods
Tensile Strength newtons per meter (N/m)		
Transverse Direction	450	ASTM D1000 ^{Note 1}
Machine Direction	300	

Note 1: Tests shall be conducted on specimens which have been conditioned at standard lab temperature 23 °C ± 2 °C and 50% ± 5% relative humidity for 24 h.

3.1 Form and Quality.

3.1.1 Shelf life shall be one (1) year minimum at storage conditions up to 23 °C.

3.1.2 Size of product shall conform to the following:

3.1.2.1 Width, millimeters (mm) nominal: 25.4.

3.1.2.2 Thickness, millimeters (mm) minimum: 0.23.

3.2 Emissions Testing of Interior Materials and Parts. For all Code E designated parts per GMW14444, reference GMW16853 for emissions testing of interior materials and parts.

3.3 All materials supplied to this standard must comply with GMW3059, **Restricted and Reportable Substances**, including the requirement to obtain a GM-approved International Material Data System (IMDS) submission.

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.

6 Approved Sources

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

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 the adhesives materials specialist 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.