



Transit Coating (Film)

1 Scope

This specification covers the requirements for an adhesive-backed film designed to protect exterior paint from damage caused by iron particles that fall on the vehicle during rail shipment and other environmental damage.

1.1 Material Description. This film is an adhesive-backed, white-colored or clear opaque film. It is applied at ambient temperatures.

1.2 Symbols. Not applicable.

1.3 Applicability. This standard applies to films designed to protect painted surfaces on finished cars.

1.4 Remarks. Not applicable.

2 References

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

2.1 External Standards/Specifications.

None

2.2 GM Standards/Specifications.

GMW3059

GMW14270

GMW16850

2.3 Additional References.

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

3 Requirements

The transit coating film must meet the requirements of GMW16850.

3.1 Material Requirements. As part of the initial submission package, the following information must be provided.

3.1.1 Complete material identification by code, batch, general chemical composition and physical description.

3.2 Processing Requirements. The product must have sufficient latitude to perform in the range of conditions typically encountered in an automotive production facility. The following data must be submitted as part of the original submission package.

3.2.1 The transit coating film must apply easily without bubbles or wrinkles. Air entrapment areas must not permit moisture leaks that whiten the paint film. Edge areas must not show creep, moisture or whitening. Trimming or cutting must be demonstrated. The adhesive system must not transfer or disturb the paint film or low bake repairs. There must be no damage to any current production paints or to any other components of the vehicle (glass, rubber, plastics, etc.,) from contact with properly applied coating film or remover.

3.2.2 Recommended application and removal equipment and methods must be provided.

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

All shipments of material or parts under contract or purchase order manufactured to this standard shall be equivalent in every respect to the initial samples approved by GM Engineering. There shall be no changes in

either formulation or manufacturing processes permitted without prior notification and approval by GM Engineering. Lack of notification by the supplier constitutes grounds for rejection of any shipment. While samples may be taken from incoming shipments and checked for conformance to this standard, the supplier shall accept the responsibility for incoming shipments meeting this standard without dependence upon purchaser's inspection.

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 GM Vehicle Systems-Paint Materials and Facilities 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.

GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IMDS	International Material Data System
MSDS	Material Safety Data Sheet
NAO	North American Operations
PPAP	Production Part Approval Process
S&IH	Safety and Industrial Hygiene
SDS	Safety Data Sheet

8 Coding System

This standard shall be referenced in other documents, drawings, etc., as follows:

Material per 9984168