



Literature Material Testing for Cover - Owners Info Manual (i.e., Folder/Wallet/Pouch)

1 Introduction

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. This standard establishes the common technical requirements for the folder/wallet/pouch used to hold literature documents (example: owner's manuals) for GM vehicles sold worldwide. The common functions, performance, design constraints, reliability, and validation required of the subsystem are defined in this document. This specification becomes Statement of Requirements (SOR) Appendix C1 to a SOR for the literature subsystem.

1.2 Applicability. Folder/Wallet/Pouch for owner information literature.

1.3 Remarks. The primary purpose is to provide a convenient, attractive folder/wallet/pouch to "hold" customer literature.

2 References

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

2.1 External Standards/Specifications.

ISO 105-A03 ISO 105-X12

2.2 GM Standards/Specifications.

GMW3059	GMW3235	GMW15634
GMW3205	GMW14124	GMW15635
GMW3232	GMW14126	GMW16853

2.3 Additional References.

- Appendix C1
- GM Ergonomic Guidelines
- SOR for the Literature Subsystem

3 Requirements

3.1 System/Subsystem/Component/Part Definition. The folder/wallet/pouch provides a convenient, attractive "holder" for customer literature.

Parts shall not have burrs or sharp edges, distortion, or scrapes in the part's surface. The color of part shall be consistent.

There shall be no visible sink marks on the components, including textile, leather and other decorative materials. There shall be no wrinkles in visible areas.

3.1.1 Appearance. The folder/wallet/pouch shall maintain appearance, shape, color, texture, fit and alignment over the target life of the vehicle.

3.1.2 Content. The folder/wallet/pouch design strategy is approved by the marketing organization, usually with consistent direction for the vehicle nameplate.

3.1.3 Ambient Environment. The customary storage location for the folder/wallet/pouch containing customer literature is in the glove box. Alternative storage locations, such as the center console, map pocket, or trunk, require program team approval.

4 Validation

4.1 General. Validation consists of test, inspections, analysis, and demonstrations to ensure that the folder/wallet/pouch meets all requirements. See Table 1.

All validation tests shall be performed on three production intent parts and are the responsibility of the supplier.

Table 1: Required Validation Tests

Number	Test Name	Test	Output/Target Value
1	Automotive Environmental Cycles (Dimensional Stability)	GMW14124 5 Cycles M, at high temperature (85 °C)	The test piece shall show no significant surface changes, particularly changes in color or gloss, no cracking, crazing or any other changes detrimental to serviceability. Other unacceptable changes include: Objectionable odors, formation of bubbles or voids, peeling of foil from foam, shrinkage, warpage, plasticizer exudation and loss of function.
2	Resistance to Cold Crack of Folded Materials	GMW14126	No Visible Breaks
3	Color Fastness to Rubbing	ISO 105-X12	Rating Four (4) minimum, per ISO 105-A03 Grey Scale "
4	Flammability of Interior Trim Materials	GMW3232 Per Zone B to Self-Extinguishing (SE)	Self-Extinguishing
5	Emission Tests - Volatile Organic Compound/ Semi-Volatile Organic Compound (VOC/SVOC) - Fogging - Odor	Test per GMW15634 GMW15635 GMW3235 Method B, Temp T2 GMW3205 Condition A3 and B3	Requirements per GMW16853 2.0 mg maximum (no droplets or crystals) Rating Six (6) minimum