



Procedure for Evaluating Parting Lines

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. Part approval process.

1.2 Applicability. All visible or customer contact plastic parts.

2 References

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

2.1 External Standards/Specifications.

None

2.2 GM Standards/Specifications.

None

2.3 Additional References

- Appearance Approval Report (AAR), (available from GM SupplyPower). <https://gmsupplypower.covisint.com>
- Global Grain Instruction Form (GIF), (available from GM SupplyPower). <https://gmsupplypower.covisint.com>

3 Resources

3.1 Facilities. Not applicable.

3.1.1 Calibration. The test facilities and equipment shall be in good working order and shall have a valid calibration label.

3.1.2 Alternatives. Alternative test facilities and equipment may also be used. However, all measuring variables as specified in this standard shall be determined correctly with respect to their physical definition.

3.2 Equipment. Molded parts from production tooling (not the tool or cold pour impressions from tooling).

3.3 Test Vehicle/Test Piece. Minimum of two (2) samples.

3.4 Test Time. Based on one average sized part.

Calendar time: 1 day

Test time: 1 h

Coordination time: 24 h

3.5 Test Required Information. Not applicable.

3.6 Personnel/Skills. Authorized GM staff trained in appearance quality, with a knowledge in the injection mold and manufacturing processes.

4 Procedure

4.1 Preparation. Parts should be installed in vehicle or buck; if property is not available, the part is held in approximate installed position.

4.2 Conditions.

4.2.1 Environmental Conditions. Not applicable.

4.2.2 Test Conditions. Deviations from the requirements of this standard shall have been agreed upon. Such requirements shall be specified on component drawings, test certificates, reports, etc.

4.3 Instructions. Figures are not to scale.

4.3.1 Preparation. Determine parting line matching and graining requirements on parts to be reviewed.

4.3.2 Evaluation. Visually and tactilely inspect parts for parting line execution to specifications in Figures 1 through 4.

4.3.3 Standard Parting Line Match. Unless an intentional offset is specified, a maximum of 0.05 mm mismatch is allowed on the part surface at the parting line (see Figure 1).

Figure 1: Standard Parting Line Match

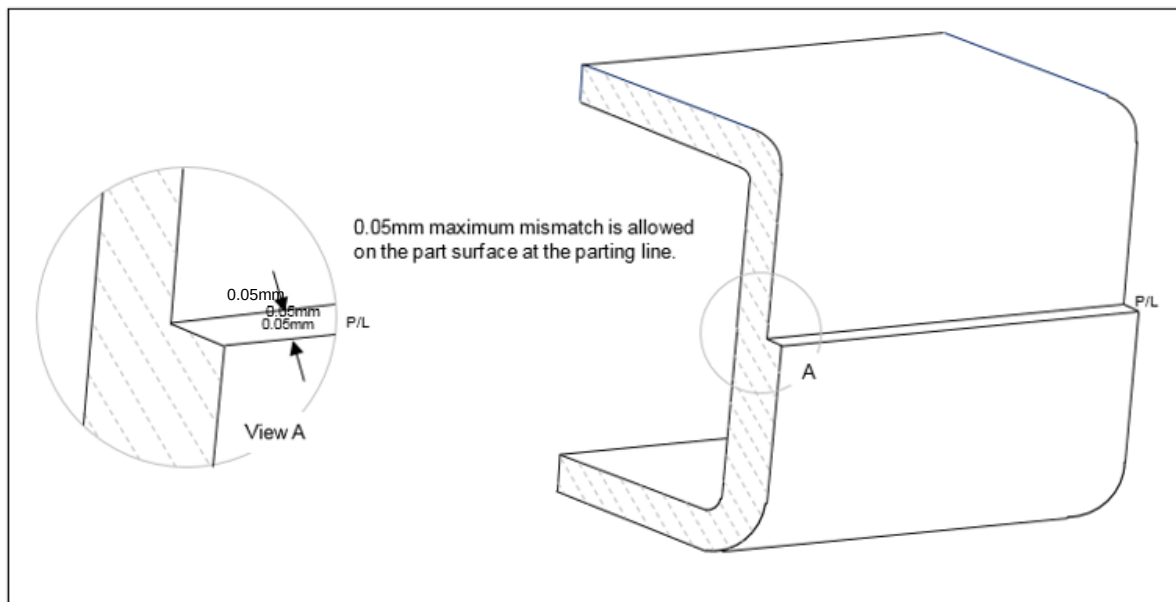


Figure 2: Standard Grain Execution at Parting Line

