

PART DRAWING CHECKLIST

TITLE

DATE

IDENTIFICATION

- | | |
|---|---|
| <input type="checkbox"/> Part name | <input type="checkbox"/> Drawing number |
| <input type="checkbox"/> Part description | <input type="checkbox"/> Drawing revision |
| <input type="checkbox"/> Part number | <input type="checkbox"/> Revision dates, description and location |
| <input type="checkbox"/> Part identification or marking | <input type="checkbox"/> Release date and data |
| <input type="checkbox"/> 3D CAD file name | <input type="checkbox"/> Mold, tooling and fixture info |
| <input type="checkbox"/> Application, assembly or product | <input type="checkbox"/> Project, program or contract |

VIEWS

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> Left/Right | <input type="checkbox"/> Isometric (3D view for reference) |
| <input type="checkbox"/> Top/Bottom | <input type="checkbox"/> Section |
| <input type="checkbox"/> Front/Back | <input type="checkbox"/> Close-up details |

DIMENSIONS

- | | |
|--|--|
| <input type="checkbox"/> Nominal geometry | <input type="checkbox"/> Measurement units (inches or centimeters) |
| <input type="checkbox"/> Length/Width/Height | <input type="checkbox"/> Angles, radii and diameters |
| <input type="checkbox"/> Critical dimensions | <input type="checkbox"/> Scale, size and projection |

TOLERANCES

- | | |
|---|--|
| <input type="checkbox"/> Decimals (.X, .XX, .XXX) | <input type="checkbox"/> Holes (concentricity) |
| <input type="checkbox"/> Threads (if any) | <input type="checkbox"/> Angular |
| <input type="checkbox"/> Allowable variations from nominal geometry | <input type="checkbox"/> Geometric dimensioning and tolerancing (GD&T) (if applicable) |

MATERIAL

- | | |
|--|--|
| <input type="checkbox"/> Family, brand, grade | <input type="checkbox"/> Source (if applicable) |
| <input type="checkbox"/> Color (Pantone or other spec) | <input type="checkbox"/> Additives |
| <input type="checkbox"/> Mass (weight) and volume of part | <input type="checkbox"/> Percentage of permissible regrind |
| <input type="checkbox"/> Secondary items (e.g., metal inserts) | <input type="checkbox"/> Certification and traceability requirements |

NOTES

- | | |
|--|--|
| <input type="checkbox"/> Governing regulations | <input type="checkbox"/> Specifications and classifications |
| <input type="checkbox"/> Quality standards and requirements | <input type="checkbox"/> Quality guidelines and provisions |
| <input type="checkbox"/> Quality assurance, control and plans | <input type="checkbox"/> Quality inspections and documentation |
| <input type="checkbox"/> Gate location | <input type="checkbox"/> Cavity identification |
| <input type="checkbox"/> Ejector pin marks (size and location) | <input type="checkbox"/> Surface textures (e.g., Mold-Tech, SPI) |
| <input type="checkbox"/> 5F: form, fit, function, feel, finish | <input type="checkbox"/> Appearance, aesthetics and cosmetics |

MISCELLANEOUS

- | | |
|---|--|
| <input type="checkbox"/> Intellectual property ownership | <input type="checkbox"/> Restrictions (e.g., ITAR) and confidentiality |
| <input type="checkbox"/> Cleanliness requirements | <input type="checkbox"/> Secondary or finishing operations |
| <input type="checkbox"/> Manufacturing process specifications | <input type="checkbox"/> Interpretation, nomenclature, symbols |
| <input type="checkbox"/> Company, contact and personnel info | <input type="checkbox"/> Conversion and rounding methodology |
| <input type="checkbox"/> Third party info (e.g., vendors) | <input type="checkbox"/> Approval and authorization process and status |
| <input type="checkbox"/> CAGE code and/or DUNS number | <input type="checkbox"/> Zones on print for easy reference |

OTHER

Completed By: _____



Precision provides services, resources and guidance to help people get the most out of their plastic injection molding.

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