P L A S T I C I N J E C T I O N M O L D I N G

PART DRAWING CHECKLIST

TITLE **DATE**

IDENTIFICATION

- ☐ Part name
- ☐ Part description
- ☐ Part number
- ☐ Part identification or marking
- ☐ 3D CAD file name
- ☐ Application, assembly or product
- ☐ Drawing number
- ☐ Drawing revision
- ☐ Revision dates, description and location
- ☐ Release date and data
- ☐ Mold, tooling and fixture info
- ☐ Project, program or contract

VIEWS

- ☐ Left/Right
- ☐ Top/Bottom
- ☐ Front/Back
- ☐ Isometric (3D view for reference)
- ☐ Section
- ☐ Close-up details

DIMENSIONS

- ☐ Nominal geometry
- ☐ Length/Width/Height
- ☐ Critical dimensions
- ☐ Measurement units (inches or centimeters)
- ☐ Angles, radii and diameters
- ☐ Scale, size and projection

TOLERANCES

- ☐ Decimals (.X, .XX, .XXX)
- ☐ Threads (if any)
- ☐ Allowable variations from nominal geometry
- ☐ Holes (concentricity)
- ☐ Angular
- ☐ Geometric dimensioning and tolerancing (GD&T) (if applicable)

MATERIAL

- ☐ Family, brand, grade
- ☐ Color (Pantone or other spec)
- ☐ Mass (weight) and volume of part
- ☐ Secondary items (e.g., metal inserts)
- ☐ Source (if applicable)
- ☐ Additives
- ☐ Percentage of permissible regrind
- ☐ Certification and traceability requirements

NOTES

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

MISCELLANEOUS

- ☐ Intellectual property ownership
- ☐ Cleanliness requirements
- ☐ Manufacturing process specifications
- ☐ Company, contact and personnel info
- ☐ Third party info (e.g., vendors)
- ☐ CAGE code and/or DUNS number
- ☐ Restrictions (e.g., ITAR) and confidentiality
- ☐ Secondary or finishing operations
- ☐ Interpretation, nomenclature, symbols
- ☐ Conversion and rounding methodology
- ☐ Approval and authorization process and status
- ☐ 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.

PRECISION MOLDED PLASTICS

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