

| | | | |
|---------------------|-------|-----------------------|-------|
| Project name: | _____ | Resin type/make: | _____ |
| Part name(s): | _____ | Est. part weight (g): | _____ |
| Cad number(s): | _____ | Shrink Rate (in/in): | _____ |
| Drawing number(s): | _____ | Mold Machine Type: | _____ |
| Revision level(s): | _____ | Machine Tonnage: | _____ |
| Number of Cavities: | _____ | Tie Bar Dimensions: | _____ |
| Est. parts/year: | _____ | Min/Max Mold Hght: | _____ |

Mold Type

- Injection
- Horizontal Press
- Vertical Press
- Two Shot Mold
- Vertical Injection

Mold Specification

- SPI Class 101*
- SPI Class 102*
- SPI Class 103*
- SPI Class 104*
- Other _____
- S.A.E.
- Metric
- Supplier to Advise

Mold Construction

- Conventional
- 3-Plate
- Stripper Plate
- Insulated Runner
- Runnerless
- Reverse Ejection
- M.U.D. Insert
- Stack Mold
- Hand Load Inserts
- Supplier to Advise

Mold Base

- DME
- Hasco
- M.U.D.
- Custom made
- Other DME Equiv.
- Supplier to Advise

Mold Base Material

- SAE 1030
- AISI 4130; 28-34 Rc
- P20; 29-36 Rc
- Stainless Steel
- Aluminum
- Nickel Plated
- Chrome Plated
- Other _____

Core Material

- 420 S.S.
- P-20
- H-13
- S-7
- Ampcoloy insert
- Beryllium Copper
- Other
- Supplier to Advise

Cavity Material

- 420 S.S.
- P-20
- H-13
- S-7
- Ampcoloy
- Beryllium Copper
- Other
- Supplier to Advise

Surface Finish (cavity)

- SPI Finish (select)
- EDM
- Mold-Tech #
- Plated
- See drawing

Surface Finish (core)

- SPI Finish (select)
- EDM _____
- Mold-Tech # _____
- Plated _____
- Other See drawing

Hardness

- | | | |
|--------------------------|--------------------|-------------------------------------|
| | (cavity) | (core) |
| <input type="checkbox"/> | None Specified | <input type="checkbox"/> |
| <input type="checkbox"/> | Pre-Hard | <input type="checkbox"/> |
| <input type="checkbox"/> | Hardened | <input type="checkbox"/> |
| <input type="checkbox"/> | 48-52 Rc | <input type="checkbox"/> |
| <input type="checkbox"/> | 54-58 Rc | <input type="checkbox"/> |
| <input type="checkbox"/> | Supplier to Advise | <input checked="" type="checkbox"/> |

Gate Type

- Edge-gated
- Sub-gated into part
- Sub-gated into pin
- Pin-gated
- Gate Inserts
- Center sprue
- Loc:
- # per part:

Runner

- Full Round
- Trapezoidal
- Hot Runner
- Brand
- Size _____
- Other

Sprue Bushing

- Standard:
- Cooled
- Hot; Type
- Custom
- Locator ring
- Supplier to advise

Ejection

- Ejector pins
- Ejector blades
- Ejector sleeve
- Stripper plate
- Air
- Early ejector return
- Lifter
- Two Stage Ejection
- Other.
- Supplier to advise

Slide Action

- Mechanical.
- Hydraulic
- Air cylinder
- Lifters
- Cam Actuated
- Angle Lift
- Collapsible core
- Positive return
- Ejection activated
- Not Applicable

Screw Mechanism

- Rack and Pinion
- Gear Motor
- Spindle
- Auto Hydraulic
- Manual
- Other
- Supplier to Advise
- Not Applicable

Cooling/Heating

- Mold Base
- Core
- Cavity
- Blocks
- Water Manifold
- Clamping plates
- Insulator Plates (HR only)
- Recessed water fittings
- Thermal Pins
- Thermocouple
- Hot Oil
- Water
- Other _____
- Supplier to Advise

Misc. Features

- Guided Ejection
- Push/Pull Ejector Box
- Progressive P.L. Lock (4 on CL)
- Taper Locks
- Spring Loaded Ejectors
- Recessed Jiffy Connect
- K.O./Adapter flush to platen
- Must run automatic
- Nickel Plating
- Bronze Lamina Plates
- Cycle Counter
- Recycle Logo
- Latch Locks
- Flash chrome plating

Mold Straps

- Date indicators
- Pressure Sensors
- Threaded Ejector Bars
- Eye bolts, 4 sides
- Nitrited core pins
- Limit switches
- Pry bar slots all plates
- Clamp slots, 4 sides
- Break all edges
- Ejector pins timed
- Ejector pins labeled
- Other

Engraving

- Mold Weight
- Part Number
- Part Name
- Cavity I.D.
- Logo
- Water Lines
- Mold-maker I.D.
- Core/Cavity Material type
- Other

Hand Load Inserts

- Brass Insert
- Steel Shaft
- Over molded
- Other _____
- Not Applicable

Spare Components

- Sleeves
- Gate Inserts
- Core
- Cavities
- Sleeves
- Ejector pins
- Hand load inserts,# _____
- 2 Heater elements (HR only)
- 2 Thermocouple (HR only)

File exchange format

- Pro/E Part Files
- Pro/E Drawing Files
- IGES Surface Files
- IGES Drawing Files
- DXF Drawing Files
- SolidWorks
- Other

Mold Design

- Mold-maker
- Customer supplied
- Detailed design
- Conceptual design
- Layout design
- B.O.M.
- Supplier to Advise
- Thermo. analysis
- Mold flow analysis

| Mold Samples & Data | Miscellaneous |
|--|----------------------|
| <ul style="list-style-type: none"> <input type="checkbox"/> Sample Parts Required <input type="checkbox"/> Material supplied by ? <input type="checkbox"/> Material supplied by Supplier <input type="checkbox"/> First Article Report Req'd <input type="checkbox"/> Weekly Progress Reports | |

NOTES: (detail notes below, attached additional sheets as necessary)