

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

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

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