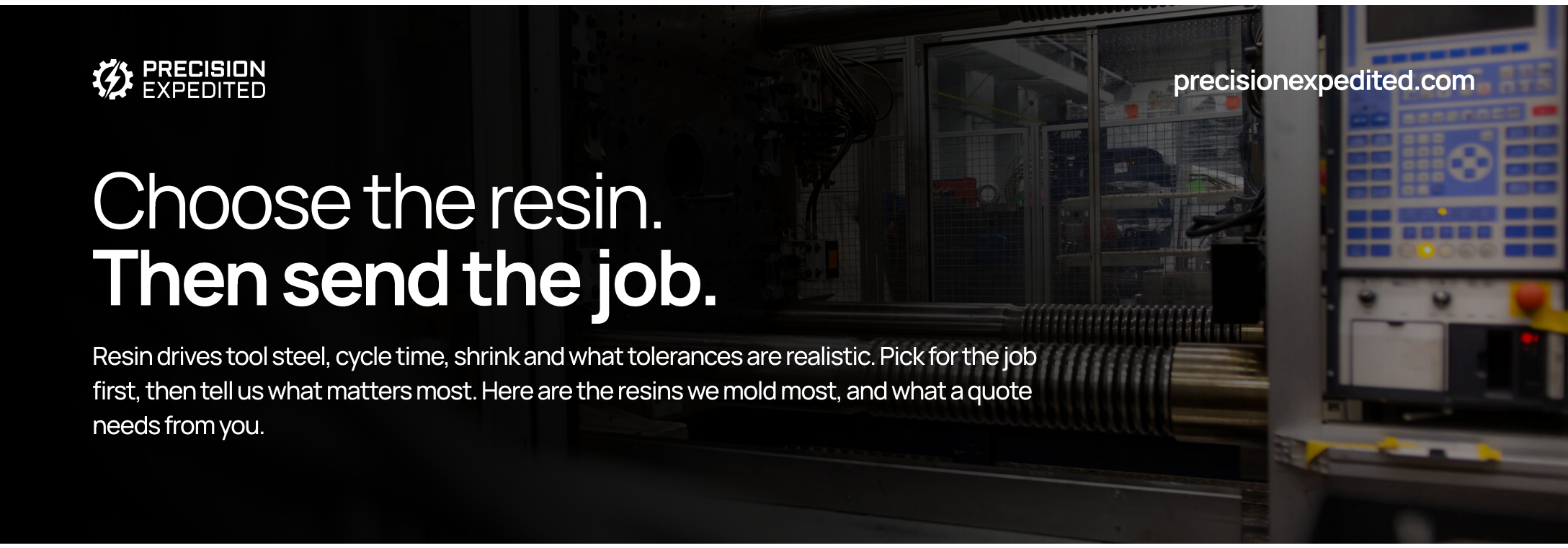
INJECTION MOLDING MATERIALS GUIDE



PRECISION EXPEDITED

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Choose the resin. **Then send the job.**

Resin drives tool steel, cycle time, shrink and what tolerances are realistic. Pick for the job first, then tell us what matters most. Here are the resins we mold most, and what a quote needs from you.

How We Match Resin

We route each tool to the molder in our vetted network best equipped for that resin and volume, so you get one quote and one point of contact. Your project manager confirms resin, tooling and lead time before the quote goes out.

Materials

Don't see yours? Ask. The network covers far more.

- **ABS** · Economical housings + enclosures
- **Polycarbonate** · Impact resistance, clear parts
- **Polypropylene** · Living hinges, chemical resistance
- **Nylon 6 + 66** · Strength, glass-filled for stiffness
- **POM (Delrin)** · Dimensional stability + wear
- **PEEK** · Heat, chemicals + high loads
- **TPE/TPU** · Overmolds, seals + grips

What to Send

- **STEP file + print:** Model for geometry, print for tolerances
- **Resin + color:** Grade, fill, color, texture spec
- **Annual volume:** Drives aluminum vs steel tooling
- **Cosmetic faces:** Where gates + ejectors can't go
- **Documentation:** Certs, FAI, ITAR requirements

Missing Something?

Send what you have. We'll ask for the rest. One project manager owns the program from tooling through production, so resin, finish and volume questions get settled before the tool is cut.

Quality + Compliance

- ISO 9001:2015
- AS9100D Compliant
- ITAR Registered
- NIST 800-171 Compliant
- Aluminum + steel tooling
- Inspection before shipment
- ISO 13485 Compliant

Built Fast. Built Right.

Send us your files.

Scan or visit **precisionexpedited.com/contact**