Injection Molding PPAP Level 3 Submission Checklist

Define what is submitted, retained, not applicable, and still open before customer review. This is not a universal mandatory-file list. The approved PPAP level, customer-specific requirements (CSR), drawing, purchase/program requirements, and change-control decisions define the final package.

Customer / Program		**Part No.**		**Drawing Rev.**		**PPAP Level**	Level 3
Mold ID		**Cavity ID(s)**		**Material / Grade**		**Submission Reason**	

1. Level 3 Evidence Status Matrix

Section / Element	Typical Treatment	Applicable / N/A	Owner	Revision / ID	Evidence File / Record	Customer Approval Status	Resubmission Trigger
Design Record / Drawing	Submit or reference as required		Engineering				Drawing/specification revision; approved design change
Engineering Change Documentation	As applicable		Engineering / Change Control				Approved ECN/ECR/deviation affecting approval basis
Process Flow	Submit or retain per scope		Manufacturing / Quality				Process sequence or manufacturing route change
PFMEA	Submit or retain per scope		Quality / Engineering				New or changed process risk/control
Control Plan	Submit or retain per scope		Quality				Inspection/control/reaction-plan change
Dimensional Results	Common submission evidence		Metrology / Quality				Drawing revision, tooling/cavity change, or changed inspection scope
Material / Performance Evidence	Submit / retain where applicable		Material / Quality				Resin grade/source/additive/colorant or specified performance change
MSA Evidence	Where required		Metrology / Quality				Measurement system/method change for affected characteristics
Initial Process / Capability Evidence	Where required		Quality / Manufacturing				Affected CTQ/process/cavity/production-condition change
Appearance Approval / AAR	If applicable		Quality / Customer				Color/texture/gloss/appearance requirement change
Sample Parts / Master Sample	Customer-defined		Quality / Program				New approval sample required after relevant change
Checking Aids / Fixtures	Where applicable		Metrology / Quality				Gauge/fixture change affecting submitted results
Part Submission Warrant (PSW)	Customer-defined / approval record		Quality / Program				Submission reason, level, revision, or approval-basis change
Customer-Specific Requirements (CSR)	Customer-defined		Customer / Program				OEM/Tier-1/program-specific requirement or periodic review

2. Molded-Part Traceability & Release Checks

Check	What must align	Status / Evidence
Part / Revision	Part number, released drawing revision, engineering change status, and PSW basis	Pass / HOLD: _____
Mold / Cavity	Mold ID and cavity identity where the approved inspection/customer scope requires cavity-level traceability	Pass / HOLD: _____
Material	Approved resin/material grade, source where specified, lot/batch identity, additive/colorant where applicable	Pass / HOLD: _____
Sample / Run	Production-intent sample identity and the molding run/condition represented by the submission	Pass / HOLD: _____
Dimensional Evidence	Released requirement -> inspected sample -> actual result; cavity identity where required	Pass / HOLD: _____
MSA / Capability	Only where required; support the affected characteristic, method, sample basis, and production condition	Pass / HOLD: _____
Risk / Control	Process Flow, PFMEA, Control Plan, inspection method, and reaction logic describe the same production-intent process	Pass / HOLD: _____
Customer Requirement	CSR, drawing, purchase/program requirement, submission level, and required approvals checked before PSW	Pass / HOLD: _____

3. Common HOLD Signals Before Submission

HOLD signal	Review action before customer submission
Revision / PSW mismatch	Confirm PSW, drawing, reports, and change status reference the same released part revision.
Incomplete cavity or material traceability	Link evidence to the applicable mold/cavity, sample, material/lot, and production basis.
PFMEA / Control Plan disconnect	Reconcile process risks, controls, inspection methods, and reaction logic.
Unsupported MSA / capability evidence	Verify the required study supports the actual characteristic, measurement method, and production basis.
Non-production-intent sample	Do not submit evidence from a sample made before required tooling/material/process changes were closed.
Missing customer-specific item	Check the latest OEM/Tier-1/program requirements before finalizing the package.

4. Approval & Resubmission Decision

Initial PPAP / Resubmission Reason		**Customer / SQE Decision**	
Affected PPAP elements		Submission level confirmed	Yes / No
Submit / Retain / N/A classification reviewed	Yes / No	Customer-specific requirements checked	Yes / No
Open HOLD items		PSW ready for approval	Yes / No
Prepared by / Date		Reviewed by / Date	

Important: Level 3 does not automatically mean every possible PPAP record is submitted, and a change does not automatically require a complete Level 3 resubmission. Use the applicable PPAP requirements and the customer's current CSR/program requirements to determine what is submitted, retained, reviewed on site, or marked N/A.