



# Globe Plastics, Inc.

## Globe Plastics, Inc. Quality Assurance Clauses

G-10	QUALITY SYSTEMS REQUIREMENT	Supplier shall have a documented Quality Control System in place or be registered as ISO9000 or approved equivalent by an accredited registrar. The quality system must address at minimum traceability of materials, product identification at all phases of production, evidence of inspection, calibration, nonconforming materials, and corrective action.
G-20	CERTIFICATE OF COMPLIANCE (Amended 11-15-2010)	<p>Supplier shall provide a legible Certificate of Compliance with each shipment to attest that the parts, assemblies, subassemblies, or detail parts conform to the Order requirements, including revision level(s) as stated on the PO. When applicable, the true manufacturers, lot, heat, batch, date code, and/or serial number must appear on the certification. Certification must contain the following:</p> <ul style="list-style-type: none"> <li>* Suppliers Name</li> <li>* Customer's Order number</li> <li>* Part number</li> <li>* Name and address of manufacturing or processing location (if different from Supplier)</li> <li>* Manufacturer's lot, heat, batch, date code, and/or serial number (if applicable)</li> <li>* Quantity and unit of measurement (each, box, case, gallons, etc.)</li> <li>* Be signed and dated by an official of the supplier. (Electronic signature is acceptable)</li> </ul> <p>Legible and reproducible copies of applicable material test results, process certifications and inspection records shall be included with each shipment. Supplier shall perform inspection, as necessary, to determine the acceptability of all articles under this Order. When parts are serialized, serial numbers must appear on or be linked to the Certificate of Compliance. This Certificate of Compliance shall provide a link (via the Supplier's internal job number, work order number, or other identifier) to all documentation for this product. All articles submitted by Supplier under this Order are subject to final inspection at Customer's plant.</p> <p>If a lot is split and a partial shipment is made, all required data shall accompany each shipment. An additional copy of the data (i.e. test data certificates of conformance, etc.) must be included in the follow-on shipments. When samples or sample data are sent separately, they must reference the original purchase order number, line item, and date of shipment. If a partial shipment is made, annotate it on the shipper.</p>
G-25	MATERIAL TRACEABILITY (11-15-2010)	<p>The supplier shall maintain a material/product traceability system that assures full traceability to the material lot/heat lot and any applicable requirements imposed by listed drawing or specification standards. The supplier shall maintain records that provide manufacturing production lot/batch/heat lot traceability, melt number/batch control number for each:</p> <ul style="list-style-type: none"> <li>* Serialized subassembly</li> <li>* Unserialized subassembly</li> <li>* Individual part (details)</li> <li>* Consumed materials (solder, adhesives, lubricants, etc.)</li> <li>* Castings, forgings, wrought material, etc. shall have complete traceability to the original mill/melt source.</li> </ul> <p>Materials used must be traceable to the <u>manufacturer's</u> records of acceptance and identified by applicable lot number, date code, material type, specification, applicable change letter or number, heat number, etc. Parts fabricated by the seller shall be identifiable to the lot of material used.</p> <p>The supplier shall ensure that the certifications provided include the actual material, special process or testing standards noted on the applicable drawing(s) along with the applicable revision letter of identifier. Any exception to standards or specification must be noted.</p> <p>Traceability records shall be provided with each shipment.</p> <p>The supplier shall make all possible efforts to minimize the number of lot/date codes included in each shipment. If multiple lots must be used, each lot shall be segregated for packaging and shipment to the Customer.</p>
G-30	SPECIAL PROCESS CERTIFICATION (Amended 11-15-2010)	<p>Processor (Contractor and/or Subtier) shall have current required approval(s) in place at the time of hardware processing. The PO shall specify the required approval source, such as Globe, Customer or NADCAP. Contractor shall verify approval prior to performing processing.</p> <p>Definition: Special Process – A method controlled by a contractually required specification where:</p> <ol style="list-style-type: none"> <li>1. A product undergoes a physical, chemical or metallurgical transformation or inspection. Conformance to the specification cannot be readily verified by normal inspection methods and,</li> <li>2. The quality of the product depends on use of specific equipment operated in a specific manner, under controlled conditions, by trained personnel with instructions, procedures or standards.</li> </ol> <p>Contractually required specifications include Customer, Industry or Government specifications identified in the Order, subordinate drawings, statements of work, or other contractual documents.</p> <p>Certain special processes are required to comply with this Order. Special processes shall be performed only by sources that have been surveyed and approved by the Customer to perform those processes.</p>

		<p>A special process certification shall be provided with each shipment of item(s) delivered on this Order. Special Process Certifications may be in supplier format and shall include the following:</p> <ul style="list-style-type: none"> <li>· Customer's Order number</li> <li>· Part number(s)</li> <li>· Serial and/or lot numbers, of the hardware processed (if applicable,)</li> <li>· Material process specification &amp; revision</li> <li>· Identification of the process method used as the acceptance criteria.</li> <li>· Evidence of acceptance including applicable reports.</li> <li>· A certification stating the special process was performed per the applicable drawing/specification requirements.</li> <li>· All document revisions must be specified.</li> <li>· Processing Organization 's name and address.</li> <li>· Each certification must be signed and dated by a company official of the supplier and/or Processor attesting to the acceptance of the processes performed to the required specification(s).</li> </ul> <p>The Supplier shall insert the substance of this clause, including this sentence, in all lower-tier subcontracts for work performed under this contract.</p>
G-40	NDI/NDT CERTIFICATION (Amended 11-15-2010)	<p>Processor (Contractor and/or Subtier) shall have current required approval(s) in place at the time of hardware processing. The PO shall specify the required approval source, such as Globe, Customer or NADCAP. Contractor shall verify approval prior to performing processing.</p> <p>Organization will include with each shipment a certificate for the NDI/NDT performed. As a minimum, the certification shall contain the following information:</p> <ul style="list-style-type: none"> <li>· Customer's Purchase Order / Contract number</li> <li>· Name and address of the Company performing NDI/NDT;</li> <li>· Date of Inspection;</li> <li>· Quantity of parts tested by part number;</li> <li>· Specification or other requirement defining the NDI/NDT acceptance / rejection criteria, and revision level;</li> <li>· Inspector/name/stamp and NDI/NDT certification level;</li> <li>· NDI/NDT specification including revision;</li> <li>· Material or item identification (part number, heat lot number, Foundry Record (FR) number;</li> <li>· Material or item traceability (serial number, lot number, batch number, lot/date code);</li> <li>· Inspection results (accept/reject);</li> <li>· Reference to previous NDI/NDT reports for repair/rework if applicable;</li> <li>· Reference to attached recordings i.e., films or photographs if applicable; A record of the procedures or techniques used and actual results shall be furnished to Customer. These records shall include all information required in the previous paragraph as well as acceptance / rejection criteria, and related test instrument data used in the NDI/NDT process.</li> </ul>
G-50	MATERIAL TEST REPORTS	<p>Supplier will include with each shipment the raw material manufacturer's test report (e.g., mill test report) that states that the lot of material furnished has been tested, inspected, and found to be in compliance with the applicable material specifications. The test report will list the specifications, including revision numbers or letters, to which the material has been tested and/or inspected and the identification of the material lot to which it applies.</p> <p>When the material specification requires quantitative limits for chemical, mechanical, or physical properties, the test report will contain the actual test and/or inspection values obtained. For aluminum mill products (except castings), certifications for chemistry may indicate compliance within the allowed range. Certifications for physical properties will show actual values.</p> <p>When the supplier ships converted material produced by a raw material manufacturer, the organization shall submit all pre and post conversion chemical / physical tests reports.</p>
G-60	TIME / TEMPERATURE SENSITIVE MATERIAL	<p>Time and temperature storage conditions must be attached to the packing sheet and accompany each shipment to be delivered hereunder. The outer most shipping box must be marked to indicate "Time and Temperature Sensitive Material", and "Temperature Storage Range in Degrees".</p>
G-70	MATERIAL SAFETY DATA SHEET	<p>Supplier shall submit a Material Safety Data Sheet with the shipment. Articles defined in this Order are subject to Customer inspection at destination and will not be accepted by the Customer if the supplier fails to ship the above data.</p>
G-80	RoHS COMPLIANCE	<p>Supplier shall provide a certification with each shipment to attest that the materials, parts, assemblies, subassemblies, or detail parts conform to the requirements of the EU RoHS Directive 2002/95, in it's most current version as of the Order date.</p>
G-90	FLOW DOWN REQUIREMENTS	<p>This clause mandates that all applicable requirements that are invoked or applied to the customer's purchasing document, including this clause, shall be flowed down to the organization's sub-tier suppliers.</p>
G-100	FIRST ARTICLE INSPECTION (Amended 11-15-2010)	<p>Supplier is required to perform 100 percent inspection and record the attributes for the first article of this Contract / Purchase Order. If the deliverable is an assembly, this inspection shall also include all of the piece parts that make up the assembly. The inspection records and data shall be per AS9102 and shall identify each characteristic and feature required by design data, the allowable tolerance limits, and the actual dimension measured as objective evidence that each characteristic and feature has been inspected and accepted by the supplier's quality and inspection department. When testing is required, the parameters and results of the test shall be recorded in the same manner. The First Article Inspection Report must show evidence of acceptance by the supplier's quality assurance representative.</p> <p>The First Article(s) shall be produced on production equipment and using processes which will be utilized on production runs. The supplier shall ensure the First Article is clearly identified as First Article.</p> <p>Additionally, the supplier shall perform additional First Article Inspection(s) following every major tooling or design change, and subsequent to any evident quality degradation for a specified part or article.</p> <p>Records of all first article activity will be documented and treated as quality / acceptance records, and legible, reproducible copies shall be furnished with the shipment to the Customer.</p>
G-102	FIRST ARTICLE (IF REQUIRED) (11-15-2010)	<p>Supplier is required to perform a First Article Inspection if:</p> <ul style="list-style-type: none"> <li>* product has not been manufactured in the FAIR manufacturing period as specified on the Purchase Order,</li> <li>* all other FAIR trigger events as specified in AS9102 Section 5.2 apply.</li> </ul> <p>First Article Inspection shall be in accordance with AS9102 current revision. The First Article Inspection Report (FAIR) must be furnished to the Customer with the shipment. The supplier shall ensure the First article is clearly identified as First Article. If parts are serialized, the First Article serial number shall be recorded on the FAIR.</p>

G-105	SUPPLIER INSPECTION / TEST REPORT (11-15-2010)	The supplier shall furnish, with each shipment, a completed, legible, reproducible copy of the Supplier Inspection/Test Data Report. The report shall include actual data for all dimensions as identified, and an indication of acceptance for the other dimensions. Part number (with revision), part name, quantity inspected, and sample inspection level shall be included. The sampling plan shall not allow for the acceptance of known defectives in the lot, i.e. the plan shall always reject the lot if one defective is found. The report shall list the purchase order number, item name, drawing, or specification number (including revision and amendments, if applicable) and authenticated by a responsible Supplier Official attesting compliance to all applicable requirements.
G-110	CUSTOMER SOURCE INSPECTION	Customer source inspection is required prior to shipment of articles from the supplier's facility. Upon receipt of this Order and prior to commencing work, promptly notify the Customer's Procurement Quality Assurance Representative so the appropriate inspection plan can be coordinated.  Source inspection shall be conducted by the Customer at the supplier's facility or where designated in the Order. The supplier shall notify the Customer a minimum of five (5) working days in advance of the time the articles or materials are ready for inspection or test.  The supplier shall make available to the Customer's Representative all applicable drawings, specifications, procedures, statements of work, Customer's Order, test software, and changes thereto, related inspection and/or test equipment, and such other information as may be required to satisfactorily perform the inspections and tests required under this Order.
G-120	PRODUCTION CHANGES	The supplier shall provide in writing advance notification to the Customer of any change(s) to tooling, facilities, materials or processes at the supplier or the suppliers sub-tier that could affect the Customers contracted product. This includes, but is not limited to, fabrication, assembly, handling, testing, facility location or introduction of a new sub-tier supplier.
G-130	NONCONFORMANCE REPORTING	Under this clause, Customer grants no MRB authority to the supplier or it's sub-tier suppliers. Nonconforming material shall be defined as a condition of any article, material or service in which one or more characteristics do not conform to the requirements specified in the order, drawings, specifications, or other approved product description. This includes failures, discrepancies, defects, anomalies and malfunctions. If the supplier wishes to ship any nonconforming materials to the Customer, for any reason, the supplier must supply the Customer with all inspection data and specify what condition or conditions are nonconforming. The supplier must request and receive written authorization from the Customer's Quality Assurance Manager prior to shipment.
G-140	PACKAGING REQUIREMENTS	Supplier's Quality Control organization shall be responsible for ensuring that items provided under this Order are packaged in such a manner that the dimensional integrity is preserved, contamination and corrosion are prevented, and no physical damage occurs or, when specified, that packaging is in accordance with the drawing, appropriate ASTM, MIL, or other applicable customer specified requirement as noted on the Order.  The supplier shall label the exterior of the package to ensure adequate identification of precautions needed to ensure the integrity of the product being shipped. The supplier must specify the handling and shipping methods that ensures proper and on-time delivery without damage to the product. The supplier shall ensure that special labeling requirements shall also be listed in the appropriate shipping documents and on each package.
G-150	SPECIAL MARKING	Seller to comply with special marking requirements specified by the applicable detail or process specification.
G-160	RECORD RETENTION	Supplier and Supplier's Subcontractors shall maintain verifiable objective evidence of all inspections and test performed, results obtained and dispositions of non-conforming articles. These records shall be identified to associated articles, including heat and lot number of materials, unit or lot serialization and made available to Customer and/or Government Representatives upon request and shall be retained in a safe, accessible location for a period of seven (7) years after date of delivery as defined in the Order.  Supplier's records associated with the manufacture of serialized or lot controlled articles will provide for continued traceability of serial numbers or lot number identification through all phases of manufacture, commencing with the raw material and continuing through final acceptance of the end item.  Records held for the required retention period (seven years) shall not be destroyed without Customer's written concurrence.
G-170	RIGHT OF ACCESS	Work under this purchase order/contract is subject to government or customer surveillance/inspection at organization's plant or sub-tier supplier's facility. The organization will be notified if a surveillance/inspection is to be conducted.
G-300	PREFERENCE FOR DOMESTIC SPECIALTY METALS (11-15-2010)	a) Definitions. As used in this clause - 1. Qualifying country means any country listed in subsection 225.872-1 of the Defense Federal Acquisition Regulation Supplement. 2. Specialty metals means - i) Steel - (A) With a maximum alloy content exceeding one or more of the following limits: manganese, 1.65 percent; silicon, 0.60 percent; or copper, 0.60 percent; or (B) Containing more than 0.25 percent of any of the following elements: aluminum, chromium, cobalt, columbium, molybdenum, nickel, titanium, tungsten, or vanadium; ii) Metal alloys consisting of nickel, iron-nickel, and cobalt base alloys containing a total of other alloying metals (except iron) in excess of 10 percent; iii) Titanium and titanium alloys; or iv) Zirconium and zirconium base alloys. b) Any specialty metals incorporated in articles delivered under this Order shall be melted in the United States or its outlying areas. c) This clause does not apply to specialty metals melted in a qualifying country or incorporated in an article manufactured in a qualifying country. d) Seller shall insert the substance of this clause, including this paragraph (d), in all subcontracts for items containing specialty metals.