



Supplier Quality Requirements

October 9, 2008

1 PURPOSE

The purpose of this document is to define the quality requirements for Magnolia Plastics suppliers and their sub-tier suppliers. It is intended to insure that all products and services delivered by the Supplier to fulfill the Buyer's purchase order conform to Buyer requirements for quality, reliability and obligations.

2 REFERENCES

AS 9100 – Aerospace quality management system for the aerospace industry. Includes all elements of ISO 9001 with additional requirements needed for aerospace.

FAR – Federal Aviation Regulations

CFR – Code of Federal Regulations

OSHA Hazard Communication Standard - 29 CFR 1910.1200

3 DEFINITIONS

Buyer – Magnolia Plastics, Inc. located in Chamblee, GA, USA

Seller – Provider of product or services to Magnolia Plastics, Inc.

C of A – Certificate of Analysis (or Test Report) showing test data for the specific lot shipped to Buyer.

Code number – Buyer's material identification code (combination of 3-4 letters and numbers) for supplied materials.

DOT-Department of Transportation: National or state agencies concerned with transportation.

FAA – Federal Aviation Administration: An agency of the United States Department of Transportation with authority to regulate and oversee all aspects of civilian aviation in the U.S.

MSDS – Material Safety Data Sheet which complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

NADCAP – National Aerospace and Defense Contractors Accreditation Program – Independent Special Process certification body.

NIST – National Institute of Standards and Technology: An agency of the United States Department of Commerce responsible for the development of measurements and standards in industry.

PO – Purchase order: contractual agreement between the Buyer and Seller.

4 SCOPE AND APPLICABILITY

4.1 General

- This document is applicable to all suppliers fulfilling PO's with Magnolia Plastics, Inc.
- A copy of this document will be available on the Buyer's website: www.magnoliaplastics.com
- Seller must have an established quality system to ensure the provided product or service meets Buyer requirements along with applicable regulatory requirements.

4.2 Flowdown Requirements

Seller will flowdown all applicable requirements to Seller's sub-tiers. It is Seller's responsibility ensure sub-tier compliance.

4.3 Documentation

Seller is responsible for compliance to current revision of referenced documents within this document. The issue date for the PO is the effective date for determining the current revision.

5 GENERAL REQUIREMENTS

Seller will review the PO requirements to ensure their product/service conforms to the requirements.

5.1 Product and Company Changes

- Seller will notify Buyer of any manufacturing relocation, major quality system changes, and/or management or ownership changes prior to PO fulfillment. Changes to be approved by Buyer.
- Seller will not make any changes or substitutions to product/service without written authorization by Buyer.

5.2 Certification Requirements

- Seller will submit a C of A indicating product conformance for each lot/batch with each delivery of the product/service.
- Seller will provide an MSDS for each applicable product.
- Seller is responsible for verifying certifications of sub-tiers.
- All certifications will either be
 - A) signed by an official of the issuing organization , or
 - B) stamped by a controlled quality stamp, or

C) have other documented system for control of certifications.

5.3 Records

- Seller will retain all required records as evidence of conformance to PO requirements for a minimum of 7 years after completion of the order.
- Such records will be made available to the buyer for review upon request.

5.4 Nonconformances

- Sellers of “standard” manufactured materials will ensure that each delivered product conforms to the applicable standards for the product.
- Seller will have a system to ensure that product conforms to additional Buyer requests, if any are indicated.
- Seller will have a system for identification, documentation and segregation of any non-conforming product to ensure that no non-conforming product is delivered to Buyer.
- Seller will notify the Buyer promptly upon discovering non-conforming product has been delivered to the Buyer.
- Notification will be written and include specific identification of the non-conforming product.
- If a quality system or product non-conformance is identified by the Buyer, Buyer may request a documented Corrective Action response from the Seller (see section 5.5).

5.5 Corrective Actions

Seller will have a system for Corrective Action in the case of a Buyer request for such a response. Response to such request will include the following:

- Seller’s analysis of the root cause and explanation for the non-conformance not being detected.
- A statement indicating which lots/batches were affected and that Seller’s inventory of this non-conforming lot/batch has been segregated to prevent re-shipment.
- A description of the Corrective Action taken to prevent recurrence along with its effective date.

The Corrective Action information will be returned to Buyer no later than 30 days from the date of the non-conformance notification.

5.6 Product Identification

- All product must be labeled to indicate the Seller’s product identification and lot/batch, Magnolia Plastics, Inc. code number, along with any labels required by applicable regulatory agencies (such as DOT).
- Seller must maintain traceability of product from raw material to finished, delivered product.

5.7 Packaging/Shipping

- In the absence of specific packaging requirements, Seller will use packaging which protects the product and environment from damage during shipment and storage.

- Packaging will meet all applicable regulations.
- Seller will ship by best commercial practices, and will meet all applicable regulations.

5.8 Right of Entry

Seller will allow an on-site audit of their facility and quality system by either Magnolia Plastics, Inc. and or FAA personnel in order to verify the quality of processes and material at Seller's facility (and Seller's sub-tiers, if applicable). Seller will be given advance notice of any such audit.

6 INSPECTION SYSTEM REQUIREMENTS

6.1 Control of Sub-Tiers

- All products delivered to Buyer which are procured by Seller from sub-tiers will comply with all applicable provisions of Buyer's PO.
- Special Processors must be NADCAP approved.

6.2 Receiving Inspection

- Seller will employ a receiving inspection to ensure that raw materials used by Seller to manufacture product for Buyer conforms to all requirements.
- Inspected and accepted products will be identified to prevent confusion with non-conforming or not yet inspected products.

6.3 Manufacturing Controls

- Seller will use a system to control, document and maintain product quality throughout manufacturing process. This system will include evidence of product conformity.
- System will be compliant with applicable sections of AS 9100.
- Product that has a designated shelf life must be identified and labeled with expiration date.
- Seller will use manufacturing practices which detect and remove foreign objects.
- Seller will employ a system to manufacture supplied product which meets all applicable local and federal regulations.

6.4 Calibration and Maintenance

- Seller will maintain and calibrate measuring and test equipment with a method traceable to a recognized standard.
- Calibration records must be maintained as required in section 5.3.
- Seller will use a system to maintain and inspect production equipment prior to use.

6.5 Final Inspection

Seller will employ a system which ensures conformity of all products/services delivered to Buyer.

6.6 Preparation for Shipment

- Seller will assure that the product/service complies with Buyer PO requirements and that all manufacturing, inspection, and regulatory requirements are met prior to shipment.
- All shipments will include MSDS, C of A, and Certificate of Conformity. This may be a separate document or a written statement that the product complies with all requirements.