

M1: APPROVAL OF PRODUCT AND PROCESS CERTIFICATE OF COMPLIANCE: (C OF C)

Vendor shall submit with each shipment a copy of a C of C "unique" to all requirements of this Purchase Order. The detailed C of C shall, at a minimum, reference the Makerite Purchase Order and item numbers, quantity of each item, the approved process Rev Level (if applicable) and the drawing and/or specification number including revision level.

MATERIAL CERTIFICATION:

The vendor's Certificate of Conformance shall indicate that evidence of material conformance is in fact on file at their facility or at the place of manufacture and such evidence is available for review by Makerite and its customers upon request.

SPECIAL PROCESS SOURCE CERTIFICATES

All parts requiring outside NDT process shall be delivered with a copy of the actual process cert. applicable to each shipment.

DIMENSIONAL FAI REPORT:

As applicable, each shipment of parts shall be accompanied by one (1) legible copy of the actual measurements taken for each dimensional attribute (including the applicable tolerance range for each dimension) shown on the drawing(s).

HANDLING / PACKAGING / PRESERVATION:

The vendor is required to assure that goods/materials supplied to Makerite under this Purchase Order are packaged to provide protection against physical damage and/or contamination due to handling and/or transit activity. Material which typically requires protective coating or corrosion preventive shall be supplied as such to Makerite.

MAKERITE INSPECTION (RECEIVING)

Confirmation of vendor product/processes is required before acceptance. Parts to be received by Makerite shall be subject to visual receiving inspection. Inspection shall confirm that all part numbers and quantities are correct and recorded. Inspection shall also note the acceptability of the documentation received versus that which is required by Makerite. Parts received shall also be subject to dimensional inspection. Inspection shall confirm that key characteristics are measured and recorded.

M2 QUALIFICATION OF PERSONNEL

Personnel performing work affecting product quality shall be qualified on the basis of appropriate education, training, skills and experience. Personnel shall be aware of the relevance and importance of their activities and how they contribute to the quality of the parts. Personnel must also be aware of their contribution to product safety and the importance of ethical behavior. Eye exams are required for personnel performing visual inspection and or product compliance in accordance with ASQR-01 Requirements.

Contractors that produce or hold ITAR-controlled technical data or software are not permitted to disclose such items to foreign nationals, either in the U.S. or abroad - including to foreign national employees of the contractor. Companies must adopt procedures to limit foreign national employees' access to ITAR-controlled products and technical data. (Under ITAR, if a person is a US citizen or permanent resident alien (i.e., has a green card), he/she is considered a "US Person", if the person is present in the US on a visa, he/she is considered a "Foreign Person" *23)

M3 QUALITY SYSTEM:

Vendor shall provide a copy of the current ISO-9001 series "Quality System Certificate". Vendors not certified to an ISO standard shall provide evidence of compliance to Quality Systems and ASQR-01 requirements. Suppliers shall maintain a Quality Control System IAW MIL-I-45208 or equivalent and calibration of inspection equipment per ISO 10012. All Distributors of metal, electronics or hardware, in the supply chain, shall be certified by an industry accredited body to AS/EN/JISQ 9100, AS/EN/JISQ 9120, ISO9001, or IATF16949:2016. UTC distributors must be listed on the qualified distributors list (QDL).

Vendor Flowdown "M Codes"

Makerite Mfg. Co. Inc.

13571 Metric Dr. Roscoe, IL. 61073-0700

(815) 389-3902



M4 IDENTIFICATION OF GOODS AND MATERIALS:

The vendor is required to assure that goods/materials supplied to Makerite under this Purchase Order are identified with the part number(s), revision & description(s) indicated on the P.O.

TRACEABILITY:

Traceability records must indicate that material supplied is of a single batch or manufacturing run and so identified by a lot/control number. If more than one lot is supplied, each must be separately packaged and identified.

M5 STATISTICAL TECHNIQUES

As stated on the purchase order the vendor shall use the requirements for, statistical techniques for verification of product acceptance, production process verification, any related instruction for acceptance by Makerite, and as applicable, critical items including key characteristics.

M8 CHANGES IN PRODUCT OR PROCESS

The vendor shall notify Makerite's Quality Manager of any changes in product and / or process, changes in suppliers, change in manufacturing facility location, and where required obtain Makerite's approval. Processes that pertain to Flight Safety Parts as a "frozen process" per HS15000/HSC16199 cannot be changed or altered without the joint approval of Makerite Mfg. and the Hamilton Sundstrand Frozen Review Board. Engineered approved process per HS14612 that are "frozen" shall not be altered or changed without UTC cognizant engineer and quality approvals.

M6 TEST SAMPLES

The vendor shall submit a test sample as required by purchase order.

M7 NON-CONFORMING PRODUCT

The supplier shall notify Makerite of nonconforming product. If nonconformity is detected during the run, the operator shall stop the run and follow the reaction plan: **Reaction Plan** to the controls of the vendors control plans.

1. Check gaging to verify measurement.
2. Verify Set-up.
3. Run another piece.
4. If still bad, contact Makerite to evaluate situation.
5. Check product 100% to last accepted piece.
6. Segregate all nonconforming product.

NOPQE - NOTICE OF POTENTIAL QUALITY ESCAPE

NOPQE is an escapes management process to report potential product nonconformances and document relentless root cause and corrective action. UTC Form 6 is used to document supplier non-conformances found at a supplier's facility concerning product that has shipped. Please request a UTC Form 6 if necessary.

MATERIAL VARIATION:

No alternate materials or specification shall be accepted in lieu of those that are specified unless written permission to use alternate specification or technically equivalent materials is received from the Makerite buyer.

M9 FLOWDOWN TO SUBTIER

Vendors using a subtier supplier must contact Makerite for approval and also must flowdown to the subtier vendors the applicable requirements in the purchasing documentation including key characteristics.

M10 RECORD RETENTION:

Quality records are those record which:

Establish manufacturing specification and requirements
Demonstrate that manufactured part conform to specifications

Demonstrate the effective operations of the quality management system
These records shall have a minimum retention period per the requirements of ASQR-01 latest revision.
Quality records, per ASQR-01, shall be retained for:

40 Years for: Flight Safety Parts, Safety Parts, Flight Critical parts as defined in ASQR 09.1.

30 Years for: Manned Space Program Hardware

10 Years for: All other Parts.
Quality Records approved for destruction after meeting the Retention Requirements must be rendered unreadable.

M11 RIGHT OF ACCESS

The Vendor shall allow the right of access at all levels of the supply chain by Makerite, our customers, and regulatory authorities to the applicable areas of all facilities involved in the order, to all applicable records, and oversight activities.

M12 DFARS

Material Produced on this order must be melted and manufactured in the USA or Qualifying Country to DFARS Requirements 252.225-7014 with alternate 1 for Qualifying Country 225.872.1, SUPERSEDED by DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009

M13 HSM17 & HSM19

Material must be compliant to HSM17 & HSM19 and have control.

M14 INSPECTION EQUIPMENT

Inspection equipment used to verify product compliance shall have a gage resolution of no greater than 10% of the total feature tolerance.



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M15 CODE OF ETHICS

Our business expresses our values through ethical principles.

Ethical principles: We expect our supplier to share our value in:

Integrity: We expect suppliers to operate their business with strong morals and honesty. Supplier shall not mislead, conceal or make fraudulent statements or falsify documents.

Proprietary information: Refrain from unauthorized use of information from or about their customers.

Equal Opportunity Employer: Will not discriminate against any employee or job applicant because of race, color, religion, national origin, sex, physical or mental disability, or age.

Laws: Committed to follow all laws and regulations applicable to the operation of your business. Additionally, we expect you to act in a manner acceptable in your community.

M16 MAKERITE EVALUATIONS

Makerite monitors and evaluates the vendor product conformity at an Expectation of Less than 2% scrap cost. The On Time Delivery is monitored and evaluated at an Expectation of 95% OTD. Results of the monitoring and evaluation activities are monitored and reviewed for compatibility and compliance capabilities. Corrective actions can include probation and potential termination of P.O. issuability to the Vendor based on Upper Management decision and Vendor planning.

M18 SPECIAL PROCESS SUPPLIERS

Special process suppliers must have their quality management system certified to AS/EN/JISQ 9100 or Nadcap AC7004.. Additionally, the following special processes require Nadcap accreditation: chemical processing, coating, heat treating, materials testing laboratories, nonconventional machining, surface enhancement, nondestructive testing, and welding.

M17 COUNTERFEIT MATERIAL CLAUSE

The use of counterfeit material is strictly prohibited. Makerite has the expectation of vendors to have implemented quality protocols to prevent the use of counterfeit parts in their product per AS9100 guidelines.