



## Magee Plastics Company

303 Brush Creek Road • Warrendale, PA 15086-7595

Phone (724) 776-2220 • Fax (724) 776-9696

SITA:PITMPDX SUPPLIER CODE: 64235

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### QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

#### 100 RIGHT OF ENTRY

By acceptance of this purchase order you are allowing Magee Plastics Company, its customers and regulatory agencies the right of access to determine and verify the quality of work, applicable quality records and materials at ALL facilities involved in the order.

#### 200 NONCONFORMING PRODUCT

Supplier MUST notify Magee Plastics Company (MPC) of any nonconforming product/material so that MPC can determine if said product/material will be accepted.

#### 300 PRODUCT/MATERIAL CHANGES

Supplier MUST notify Magee Plastics Company of any changes in product/material and/or process that would affect the fit, form & function of said product/material being supplied to Magee Plastics Company.

#### 400 REQUIREMENT FLOW DOWN

Supplier must flow down any requirements to all sub-tier suppliers, including any key characteristics where required.

#### 500 CERTIFICATE OF CONFORMANCE

##### A. Certificate of Conformance for Parts Manufactured to MPC Supplied Drawings.

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate of conformance containing the signature and title of an authorized representative stating that the items ordered were produced in accordance with and conform in all respects to the contractual requirements including specifications, drawings (including revision levels), marking requirements, and physical item identification. When the parts are serialized, serial numbers shall be included on the certification. The certificate of conformance must reference the purchase order number, the internal tracking number/lot number assigned by your company for this job, state that the parts were manufactured to the Magee Plastics Company (MPC) supplied drawing number and revision level listed on this purchase order. Failure to follow these procedures will result in parts being rejected at MPC, payments held and return of shipment.

Example: Parts order on MPC purchase order "xxx" were manufactured to MPC supplied drawing "Complete Drawing Number", Revision "x", per "*suppliers name*", internal tracking number/lot number "xxxx".

##### B. Supplier must check each artifact and supply paperwork, or a signature that verifies that each artifact was checked and calibrated to a National Institute of Standards and Technology (NIST), International System of Units (SI) or through an ISO 17025 accredited laboratory.



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## QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

### 600 CERTIFICATION OF MATERIAL CONFORMANCE

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate of conformance (C of C) containing the signature and title of an authorized representative for each material used to fabricate the items ordered in this purchase order. Certification and material lot/batch control is required for each material.

### 700 PUBLIC LAW 101-592 FASTENER QUALITY ACT

Supplier (Distributor) Certification: A certification shall accompany each shipment of fasteners/washers, containing the following, as a minimum:

The manufacturer lot number(s) with associates part number(s); manufacturers name; Magee Plastics Company P.O. number; and a statement to the effect that the manufactures certification (required by the Section 7 of the "Law") is on file with the distributor.

Supplier (Manufacturer) Certification: A Certification in accordance with Section 7 of the "Law" shall accompany each shipment.

Packaging: Each lot shall be packaged in a manner that ensures there will be no co-mingling of like fasteners from different lots in the same container.

Identification: Each package shall be identified with the lot number, name of the parts, part identification number, P.O. number and name of fastener manufacturer.

### 800 STATEMENT OF CONFORM/TEST RECORDS FOR NAS AN AND MS FASTENERS

#### A. Supplier is the Fastener Manufacturer

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate of conformance containing the signature and title of an authorized representative which states that the fasteners have been manufactured in accordance with requirements of the applicable NAS, AN, MS government approved Parts Standard and Procurement Specification; and the chemical / physical test reports required by the government approved Procurement Specification are on file with the manufacturer, and available for review by customer and /or government quality assurance representative upon request.

#### B. Supplier is a Distributor

Each shipment shall be accompanied by one (1) legible and reproducible copy of conformity to purchase order requirements. The statement of conformity as a minimum shall contain Magee Plastics Company P.O. number, packing slip number; a copy of applicable test records (chemical, physical, processes and NDT) required by the government approved Parts Standard and Procurement Specification are available, or are obtainable upon customer request. The statement of conformity must contain the name of the fastener manufacturer, and shall be signed and dated by an authorized representative.



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**QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:**

900 CHEMICAL AND PHYSICAL TEST REPORTS

Each shipment must be accompanied by one (1) legible and reproducible copy of all chemical and physical test reports identifiable with materials ordered. The reports must contain the signature and title of the authorized representative of the agency performing the test and must assure conformance to specification requirements. All paperwork must be traceable per material lot number and/or purchase order numbers.

1000 COMMERCIALY AVAILABLE PART

Please include documentation containing manufactures certificate of conformance (C of C) with shipment. Certification and material lot/batch control not required for this part.

1100 FLAMMABILITY TEST

A. 60 Second Vertical Burn

Material to meet the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(i), Amendment 25-116 (60 Second Vertical Burn). Quantitative test results are required with shipment.

B. 12 Second Vertical Burn

Material to meet the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(ii), Amendment 25-116 (12 Second Vertical Burn). Quantitative test results are required with shipment.

C. 2.5 Inch Horizontal Burn

Material to meet the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(iv), Amendment 25-116 (15 Second - 2.5 Inch Horizontal Burn). Quantitative test results are required with shipment.

D. 4.0 Inch Horizontal Burn

Material to meet the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(v), Amendment 25-116 (15 Second - 4.0 Inch Horizontal Burn). Quantitative test results are required with shipment.

E. 30 Second – 45 Degree Penetration

Material to meet the fire properties requirements of 14 CFR Part 25.855 (d), Appendix F Part I (a)(2)(ii), Amendment 25-116 (30 Second – 45 Degree Penetration). Quantitative test results are required with shipment.



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### QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

F. 65/65 OSU Heat Release

Material to meet the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(i), Amendment 25-116 (60 Second Vertical Burn) and 14 CFR Part 25.853 (d), Appendix F, Part IV, (65/65). Quantitative test results are required with shipment.

1100 G. 200 NBS Optical Smoke Density

Material to meet the requirements of 14 CFR Part 25.853 (d), Appendix F, Part V, Amendment 25-116 (200 NBS Optical Smoke Density). Quantitative test results are required with shipment.

H. Magee to Test 60 Second Vertical Burn

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(i), Amendment 25-116 (60 Second Vertical Burn). Material to be held in bonded area until quantitative test results are received.

I. Magee to Test 12 Second Vertical Burn

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(ii), Amendment 25-116 (12 Second Vertical Burn). Material to be held in bonded area until quantitative test results are received.

J. Magee to Test 2.5 Inch Horizontal Burn

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(iv), Amendment 25-116 (15 Second - 2.5 Inch Horizontal Burn). Material to be held in bonded area until quantitative test results are received.

K. Magee to Test 4.0 Inch Horizontal Burn

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(v), Amendment 25-116 (15 Second - 4.0 Inch Horizontal Burn). Material to be held in bonded area until quantitative test results are received.

L. Magee to Test 30 Second – 45 Degree Penetration

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.855 (d), Appendix F Part I (a)(2)(ii), Amendment 25-116 (30 Second – 45 Degree Penetration). Material to be held in bonded area until quantitative test results are received.



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**QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:**

1100 M. Magee to Test 65/65 OSU Heat Release

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.853 (a), Appendix F, Part I, Section (a)(1)(i), Amendment 25-116 (60 Second Vertical Burn) and 14 CFR Part 25.853(d), Appendix F, Part IV, (65/65). Material to be held in bonded area until quantitative test results are received.

N. Magee to Test 200 NBS Optical Smoke Density

Material to be tested upon receipt at Magee Plastics Company to ensure material meets the fire properties requirements of 14 CFR Part 25.853 (d), Appendix F, Part V, Amendment 25-116 (200 NBS Optical Smoke Density). Material to be held in bonded area until quantitative test results are received.

O. Airbus Industries Technical Specification ATS-1000.001/ABD 0031

Material to meet Airbus Industries Technical Specification ATS-1000.001/ABD 0031 Issue 5, dated November 1989 Toxicity Requirements. The Airbus toxicity requirements are not FAA requirements.

P. Magee to Test Airbus Industries Technical Specification ATS-1000.001/ABD 0031

Material to be tested upon receipt at Magee Plastics Company to ensure material meets Airbus Industries Technical Specification ATS-1000.001/ABD 0031 Issue 5, dated November 1989 toxicity requirements. The Airbus toxicity requirements are not FAA requirements. Material to be held in bonded area until quantitative test results are received.

Q. Thermal/Acoustical Insulation

Thermal/Acoustical insulation material to meet the flame propagation test requirements of 14 CFR 25.856 (a), Appendix F, Part VI, Amendment 25-111. Quantitative test results are required with shipment.

R. UMTA Smoke and Fire Specification

Certification that material meets UMTA smoke and fire specification as tested by ASTM methods E-662 (smoke) and E-162 (flame).

S. Vendor to submit (4) four test plaques 6" X 12" X .080" for flammability testing. Test plaques are required with shipment for every new lot of material.



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## QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

### 1200 PART CONDITION

Parts on this order must be factory new or new surplus with proper certification paperwork. Certification paperwork must be from either the OEM Type Certificate Holder or from a Production Approval Holder with an FAA Form 8130-3 tag.

### 1300 MSDS REQUIREMENTS

A current MSDS must accompany shipment to Magee Plastics Company.

### 1400 OUT TIME REQUIREMENTS

Supplier must record the "out-time" of exposure-sensitive material (pre-preg) on packing list.

### 1500 DATED MATERIAL (SHELF LIFE CONTROLLED)

Time-sensitive material shall be furnished with a minimum of 80% of its shelf life remaining at date of shipment. Shelf life duration and date of expiration shall be listed on material certification.

### 1600 DELIVERY

Orders will not be accepted/received 15 days prior to the due date on the purchase order.

### 1700 EARLY DELIVERY

Orders will be accepted/received 15 days prior to the due date on the purchase order.

### 1800 SUPPLIER QUALITY SYSTEM REQUIREMENTS ISO 9000

Supplier's Quality System shall be in compliance with the requirements of ISO 9001 or ISO 9002 (no product design function) for manufactures, or ISO 9003 for distributors.

### 1900 FABRICATION INSPECTION SYSTEM (FIS) FAR 21.303

The suppliers shall maintain a FIS in compliance with the requirements of FAR 21.303 (h). The FIS shall be approved and subject to audit by the FAA, or its representative at any time.

### 2000 QUALITY SYSTEM SURVEILLANCE

As a Magee Plastics Company supplier manufacturing a product requiring Magee Plastics Company Customer and/or Federal Aviation Administration (FAA) approval, the Sellers "Quality Control System" shall be subject to surveillance by Magee Plastics Company and the FAA.



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## **QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:**

### **2100 FAA-PMA /TSOA**

As a Magee Plastics Company Supplier manufacturing an article or component for which Magee Plastics Company holds an FAA Parts Manufactures Approval (PMA) or Technical Standard Order Authorization (TSOA), your inspection system shall be subject to inspection by Magee Plastics Company and /or the FAA at a level commensurate with criticalness of the article or component.

### **2200 GOVERNMENT SOURCE INSPECTION (GSI)**

Government inspection is required prior to shipment from your facility. Evidence of such inspection must be indicated on the packing sheet accompanying each shipment. On receipt of this purchase order, promptly contact the Government Representative who normally services your facility, or if not available, contact the nearest Army, Navy, Air Force or Defense Supply Agency Inspection Office in your locality. In event the representative or office cannot be located, Magee Plastics Company purchasing manager should be notified. Drawings, test documents and specifications, as applicable, covering material on this order shall be available for inspection at your facility.

### **2300 SUPPLIER QUALITY SYSTEM REQUIREMENTS AS 9100**

Suppliers "Quality System" shall be in compliance with the requirements of AS 9100 (Aerospace Standard).

### **2400 FIRST ARTICLE INSPECTION (FAI) ON ALL NEW PRODUCTS**

FAI and/or test are required on all new products. Results will be documented and sent to Magee Plastics Company. The unit will be sent to Magee Plastics Company for further inspections.

### **2500 FIRST ARTICLE INSPECTION (FAI) BY SELLER**

FAI and / or test shall be performed on a production manufactured part / assembly by seller at seller's facility. Results shall be documented on a report identified as First Article Inspection Report (FAIR). The FAI unit will be identified (bag or tag) and shipped separately or with production lot (as required by purchase order) accompanied by the FAIR attached to the shipper. Magee Plastics Company can conduct FAI and/or test in addition to and after seller's FAI, the results of which will be documented.

### **2600 FIRST ARTICLE INSPECTION (FAI) BY MAGEE PLASTICS COMPANY AT SELLER'S FACILITY**

FAI and/or test shall be accomplished at the Seller's facility before the balance of order may be shipped. Magee Plastics Company will conduct or witness inspections and/or tests and the results will be documented on a MPC form QA-005, "Quality Control Conformity Inspection".



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## QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

### 2700 MAGEE PLASTICS SOURCE INSPECTION

Magee Plastics Company inspection is required prior to shipment from your facility. Evidence of such inspection must be included in your packing document accompanying each shipment. You must contact the Magee Plastics Company purchasing manager and establish verification arrangements and the method of product release. Drawings, inspection/test documents, and specifications, as applicable, covering material on this order shall be available for inspection at your facility.

### 2800 REQUIREMENTS FOR 100% INSPECTION BY SELLER, DETAILS

Seller shall perform 100% detail component and end item inspection of all items on this purchase order to ensure conformance to drawing and specification requirements. Evidence of such an inspection must be on file and available for review by Magee Plastics Company. Each part must be identified as acceptable by placing an inspection acceptance stamp on the part as applicable.

### 2900 RAW MATERIAL IDENTIFICATION

#### A. Sheet or Plate Stock - Metallic or Non-Metallic

Each sheet or plate shipped shall be identified by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble.

#### B. Rod, Bar or Tube - all shapes - 1/2 inch cross section or larger

Each length of rod, bar or tube shipped shall be identified at one end or by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble in cutting and coolant oils. If continuous, spacing between groups of stencil letters shall not exceed twelve (12) inches. Information shall include material type or designation, material specification and temper.

#### C. Rod, Bar or Tube - all shapes - Smaller than 1/2 inch cross section

Rod, bar or tube shipped shall be bundled together. Each bundle shall contain materials from the same (manufacturing/heat treatment) batch, and be identified as follows: An adhesive label or identification tag shall be securely attached to each bundle. This label or tag shall be permanently marked to indicate material type or designation, material specification and temper.



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## QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

### D. Castings / Forging - Ferrous or Non-Ferrous

Material shipped shall be identified with the part number, "melt" number, heat treat lot (if applicable) and serial number (if applicable). Identification of parts shall be in accordance with applicable drawings/ specifications. Where drawings or specifications do not define method of identification, such identification shall be effected in accordance with MIL-STD-130.

### 2900 E. Extrusions

Each length of extrusion shall be identified at one end or by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble in cutting and coolant oils. If continuous, spacing between groups of stencil letters shall not exceed twelve (12) inches. Information shall include material type or designation, material specification, temper and heat lot number.

### 3000 ELECTRICAL EQUIPMENT

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate containing the signature and title of an authorized representative. The certificate shall contain the part number, specification to which they conform, general characteristic and electrical characteristic. When the parts are serialized, serial numbers shall be included on the certification.

### 3100 ELECTRICAL CABLES (WIRES)

Electrical cables shall be identified on cable, spool, and certificate of conformance per applicable standard/specification with the following information: standard / specification, size code, manufacturing year, country code (if applicable), manufacturer, and type of dispersion (if applicable).

### 3200 NON-DESTRUCTIVE TEST/INSPECTION IDENTIFICATION

All parts found to be acceptable by non-destructive testing methods are to be so identified by placing the proper acceptance test/inspection stamp on such acceptable parts. All parts found to be unacceptable are to be identified by placing the proper withholding stamp on such defective parts. In those cases where NDT testing is being performed by a lower-tier supplier and their acceptance stamp is obliterated by further processing, a copy of the lower-tier's certification must accompany shipment to Magee Plastics Company.

### 3300 MAGEE PLASTICS COMPANY PROCESSING

Seller shall assure that any process and/or non-destructive test (NDT) requested on this purchase order shall be performed only by sources currently appearing on the Magee Plastics Company "List of Approved Vendors" for the specific type of work to be conducted.



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### QUALITY ASSURANCE PURCHASE ORDER REQUIREMENT QUALITY CLAUSES:

#### 3400 PROCESS CERTIFICATIONS

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate containing the signature and title of an authorized representative for all processes used, such as heat treating, welding, NDT, surface preparation and treatment, etc. The certificate shall include the processing used, the specification to which they conform and the name of the agency that performed them if other than the Seller. When the parts are serialized, serial numbers shall be included on the certification. All paperwork must be traceable per material lot number and or purchase order numbers.