



**PURCHASE ORDER REQUIREMENT
QUALITY CLAUSES**

MAGEE PLASTICS COMPANY

303 Brush Creek Road • Warrendale, PA 15086-7595
Phone (724) 776-2220 • Fax (724) 776-9696
SITA:PITMPDX SUPPLIER CODE: 64235

**MAGEE FORM
QA-024**

Revision
Date:
2018 JAN 19

Revision Edition:
Z

100 RIGHT OF ENTRY

By acceptance of this purchase order you are allowing Magee Plastics Company (MPC), its customers and regulatory agencies the right of access to determine and verify the quality of work, applicable quality records, verification and validation activities, and materials at ALL facilities involved in the order at any level of the supply chain.

200 NONCONFORMING PRODUCT

Supplier MUST notify MPC of any nonconforming product, material, or article so that MPC can determine if said item(s) will be accepted at delivery, quarantined, or recalled while in service. Notification to MPC includes the discovery of any counterfeit or suspected counterfeit parts in use by the supplier or its sub-tier suppliers.

300 PRODUCT/MATERIAL CHANGES

Supplier MUST notify MPC of any changes in product / material and / or process that would affect the fit, form, and function of said product/material being supplied to MPC. In addition, the supplier MUST notify Magee Plastics Company of any changes of suppliers, or changes of manufacturing facility location(s). Such changes require MPC approval.

400 REQUIREMENT FLOW DOWN


Supplier MUST flow down any and all requirements to all sub-tier suppliers, including any key characteristics where required, and records retention requirements.

500 CERTIFICATE OF CONFORMANCE

- A. Clause 500 A. has been removed. See Clause 600.
- B. Calibration service providers must check each tool / gage and provide certification verifying that each was checked and calibrated to measurement standards traceable to National Institute of Standards and Technology (NIST), or International System of Units (SI units). Calibration where standards traceability does not exist is invalid and will not be accepted.

600 CERTIFICATE 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 stating that the items ordered were produced in accordance with and conform in all aspects to the contractual requirements including specifications, drawings (including revision levels), marking requirements, and physical item identification. The certificate must reference the MPC purchase order number. Material lot/batch control is required for each material, with lot/batch identification(s) noted on the certificate(s). Any associated certificate(s), such as from a raw material provider or sub-vendor, must link to the vendor's certificate by means of lot/batch identification(s). C of Cs shall be retained by the vendor for a minimum of 10 years. Example Statement: Parts produced on MPC Purchase Order # 'x' were

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manufactured in accordance with MPC-supplied drawing # 'x', per 'supplier's name', internal tracking number / lot # 'x'.

Note: This should not be confused with Clause 900.

Note for Distributors: Distributors or distributing companies not manufacturing the material in question are responsible for obtaining Certificates of Material Conformance from the actual material manufacturer(s) and forwarding that documentation on to MPC. Lot/batch identifications noted on the certificate(s) also apply as stated in the above paragraph. Any distributor's Certificate of Material Conformance must provide linkage to the manufacturer's lot/batch number(s). Exemption: Items supplied through the sending distributor's published catalog do not require submission of a manufacturer's C of C to MPC.

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; MPC 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. CoCs shall be retained by the vendor for a minimum of 10 years.

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. Statements of conformity shall be retained by the vendor for a minimum of 10 years.

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900 MATERIAL CERTIFICATION VIA CHEMICAL AND / OR PHYSICAL TEST REPORTS

Each shipment must be accompanied by one (1) legible and reproducible copy of all chemical and/or 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(s) and must assure certification to specification requirements, (i.e. ASTM, MIL, etc). All documentation must be traceable per material lot number and/or purchase order numbers, as noted on the certification(s).. Chemical and physical test reports shall be retained by the vendor for a minimum of 10 years.

Note: This should not be confused with Clause 600.

Note for Distributors: Distributors or distributing companies not manufacturing the material in question are responsible for obtaining Material Certifications from the actual material manufacturer(s) and forwarding that documentation on to MPC. Lot/batch identifications noted on the certificate(s) also apply as stated in the above paragraph. Any distributor's Material Certifications must provide linkage to the manufacturer's lot/batch number(s).

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. CoCs shall be retained by the vendor for a minimum of 10 years. Exemption: Items supplied through a sending distributor's published catalog do not require submission of a manufacturer's C of C to MPC.

1100 FLAMMABILITY TEST

- A. 60 Second Vertical Burn (F1)
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. Test reports shall be retained by the vendor for a minimum of 10 years.
- B. 12 Second Vertical Burn (F2)
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. Test reports shall be retained by the vendor for a minimum of 10 years.
- C. 2.5 Inch Horizontal Burn (F3)
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. Test reports shall be retained by the vendor for a minimum of 10 years.
- D. 4.0 Inch Horizontal Burn (F4)
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. Test reports shall be retained by the vendor for a minimum of 10 years.



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- E. 30 Second – 45 Degree Penetration (F5)
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. Test reports shall be retained by the vendor for a minimum of 10 years.
- F. 65/65 OSU Heat Release (HR)
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. Test reports shall be retained by the vendor for a minimum of 10 years.
- G. 200 NBS Optical Smoke Density (SM)
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. Test reports shall be retained by the vendor for a minimum of 10 years.
- H. Magee to Test 60 Second Vertical Burn (F1)
Material to be tested upon receipt at MPC 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 (F2)
Material to be tested upon receipt at MPC 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 (F3)
Material to be tested upon receipt at MPC 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 (F4)
Material to be tested upon receipt at MPC 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 (F5)
Material to be tested upon receipt at MPC 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.
- M. Magee to Test 65/65 OSU Heat Release (HR)

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Material to be tested upon receipt at MPC 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 (SM)
Material to be tested upon receipt at MPC 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 MPC 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).
- R(1).FRA Smoke and Fire Specification, where:
ASTM E 162 \leq 35
ASTM E 662 Ds (1.5) \leq 100
ASTM E 662 Ds (4.0) \leq 200
- 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.

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, from a Production Approval Holder with an FAA Form 8130-3 tag or marked FAA-PMA.

1300 SAFETY DATA SHEET (SDS) REQUIREMENTS

A current SDS must accompany shipment to MPC.

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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 9001

Supplier's Quality System shall be in compliance with the requirements of ISO 9001, latest revision.

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 an MPC supplier manufacturing a product requiring MPC's 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.

2100 FAA-PMA /TSOA

As an MPC supplier manufacturing an article or component for which MPC holds an FAA Parts Manufactures Approval (PMA) or Technical Standard Order Authorization (TSOA), your inspection system shall be subject to inspection by MPC 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; MPC 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.

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2300 SUPPLIER QUALITY SYSTEM REQUIREMENTS AS 9100

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

2500 FIRST ARTICLE INSPECTION (FAI) BY SELLER (VENDOR)

FAI and/or test are required on all new products. FAI and / or test shall be performed on a representative production manufactured part / assembly by seller at seller's facility. Results shall be documented within an FAI documentation package. The contents of the FAI package as submitted by the seller are to conform to the requirements specified within SAE Aerospace Standard AS9102 (latest revision), unless otherwise waived by MPC Quality Management. The FAI representative part / assembly sample submitted to MPC is to be identified as the FAI sample (bag or tag) and shipped separately, (or with production lot) as specified by purchase order, accompanied by the FAI package, attached to the shipper. MPC may 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

FAI and/or test are required on all new products. FAI and/or test shall be accomplished at MPC or the Seller's facility before the balance of order may be shipped. MPC will conduct or witness inspections and/or tests and the results will be documented in accordance with SAE Aerospace Standard AS9102 (latest revision).

2700 MAGEE PLASTICS SOURCE INSPECTION


MPC 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 MPC 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 MPC. 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-

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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.
- 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.
- 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 MPC.

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 MPC "List of Approved Vendors" for the specific type of work to be conducted.

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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(s) to which they conform, including the revision level of each specification, 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. Certificates shall be retained by the vendor for a minimum of 10 years.

3500 CALIFORNIA TRANSPARENCY IN SUPPLY CHAINS ACT OF 2010

By acceptance of this purchase order, suppliers and vendors fully certify that they are in compliance with the California Transparency in Supply Chains Act of 2010 (also known as SB 657) and certify that no form of slavery or human trafficking is used within their supply chains.

3600 STANDARD PACKAGING REQUIREMENTS APPLY

By acceptance of this purchase order, suppliers and vendors fully certify that they are in compliance with MPC standard packaging requirements, (unless otherwise specified as Clause 3700). All packaging and/or crating for products or materials destined for MPC shall be in compliance with carrier's tariffs and suitable containers for adequate protection during shipment and storage shall be provided. The price or prices include all charges for supplier's or vendor's packaging and/or crating.

3700 SPECIAL PACKAGING REQUIREMENTS APPLY

By acceptance of this purchase order, suppliers and vendors fully certify that they are in compliance with MPC special packaging instructions. Special instructions are issued separately, as applicable, accompanying the particular purchase order(s).

3800 INJECTION MOLDED PARTS

Injection molded parts shall be in compliance with MPC Process Specification MPS 2017-08-01.