

MPM PURCHASE ORDER QUALITY CLAUSES

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Q01 – Certificate of Conformance

You are required to submit with each shipment a Certificate of Conformance (C of C) signed or stamped by an authorized Quality Representative. The C of C must reference MPM's Purchase Order Number (PO#), part number (as specified on the PO), revision and quantity. The C of C must certify conformance to all purchase order requirements, specifications, drawings and special processes and should state the last date a FAIR was performed, if applicable.

Q02 – Material Certifications

One copy of the actual chemical composition and mechanical properties for each heat lot of material must accompany each shipment.

Q03 – Heat Lot Traceability

All parts must be traceable to a given heat lot or batch of material and cannot be mixed. If more than one heat lot or batch is used, parts must be segregated and identified to each lot of material.

Q04 – Single Heat Lot Required

All material must come from the same heat lot, unless written approval is received from the buyer. If written approval is granted, then Q03 applies to individual heat lot traceability.

Q05 – NADCAP

Any special processing including, but not limited to, heat treating, plating, anodizing, surface finishing, penetrant inspection or other special process or service listed in this PO must be done by a NADCAP certified Supplier.

Q06 – Parker Approved Source

You must be a Parker Aerospace approved special process vendor for the specific process called out in this PO. If you are not, you must not perform any work and contact the buyer immediately. If you perform work and it is discovered that you are not a Parker Aerospace approved source, you will be potentially liable for the actual value of the parts if MPM is unable to get approval to use the parts, which will be in MPM's and Parker's discretion.

Q07 – Parker DSQR Checklist

Supplier must provide a completed Parker DSQR Checklist with each shipment of parts on the appropriate form.

Q08 – RoHS Compliance

All material and processes used must comply with the Restriction of Hazardous Substances Directive 2002/95/EC (RoHS). A statement that the order meets RoHS compliance must be included on every Certificate of Conformance, special process and material certification provided.

Q09 – First Article Inspection Report (FAIR)

You are required to submit a complete written First Article Inspection Report (FAIR), including 100% of the actual readings for all dimensions, per the requirements of AS9102, when any of the following occur:

- 1) The first time a given product is manufactured by you for MPM;
- 2) You change any of your processes, tooling, machines used for manufacturing the product or materials used that can potentially affect the product after you submitted a FAIR for the product;
- 3) It has been more than two (2) years since you last made the product for MPM;
- 4) A revision change occurs, in which case a delta FAIR is required

Q10 – ITAR Registration

Supplier must be registered with the Office of Defense Trade Controls and comply with all relevant portions of the International Traffic in Arms Regulations (ITAR, 22 CFR 120-130). Supplier shall indemnify MPM for all liabilities, penalties, losses, damages, costs or expenses that may be imposed on or incurred by MPM in connection with any violations by Supplier.

Q11 – Domestic Source Material

Material must be manufactured or melted in the United States. This is a customer flow down requirement and is not to be confused with Q12 or its requirements. In the event Q11 and Q12 are both listed, or the PO calls out DFARs compliant material separately, Q11 controls. Supplier must get written authorization to use material that is not manufactured or melted in the United States.

Q12 – DFAR 252.225-7008, Specialty Metals

Defense Federal Acquisition Regulation 252.225-7008, Restriction on Acquisition of Specialty Metals applies to this order.

Q13a – Record Retention 7

Quality records must be maintained by the Supplier for a minimum of seven (7) years.

Q13b – Record Retention 10

Quality records must be maintained by the Supplier for a minimum of ten (10) years.

Q13c – Record Retention 15

Quality records must be maintained by the Supplier for a minimum of fifteen (15) years.

Q13d – Record Retention 40

Quality records must be maintained by the Supplier for a minimum of forty (40) years.

Q13e – Record Retention 99+

Quality records must be maintained by the Supplier for a minimum of ninety-nine (99) +fifteen (15) years.

Q14 – Furnace Time Temperature Chart

Any annealing, heat treating or stress relief process shall be documented with furnace time-temperature chart(s). One copy will be sent to MPM and Supplier shall maintain a copy at its facility.

Q15 – Revision Level

Supplier is responsible for verifying that it has the correct revision of any prints or specifications noted in the PO and for obtaining relevant customer documentation from MPM. Supplier is solely responsible for obtaining any government, military or industry standards and specifications necessary to perform its work. Any work performed to the wrong revision or specification is subject to replacement at Supplier's expense, including the cost of work previously performed by or for MPM.

Q16 – Alternative Manufacturing Methods

Electrical Discharge Machining (EDM), Electro Chemical Machining (ECM), laser, or abrasive water jet, cutting or drilling, or other non-conventional manufacturing method is not permitted, unless prior written authorization is given by MPM.

Q17 – Production Part Approval Process (PPAP)

PPAP is required and Level 3 is the default level, unless otherwise specifically noted on the PO. Contact your buyer if you are unsure of what level is required.

Q18 – 100% Inspection

100% inspection is required for the part or the dimension(s) requested. Supplier will provide a copy of the actual readings in paper format with the parts when they are shipped, or electronic format

(preferred method) by sending them to your buyer and QA via email prior to, or at the time of, shipment.

Q19 – Foreign Object Debris (FOD)

Supplier shall ensure that FOD is eliminated from all parts prior to shipment. Potential FOD includes, but is not limited to, burrs, chips, dirt, corrosion, coolant, oil and other contamination resulting from the manufacturing, assembly, maintenance, processing, cleaning, storage, and subsequent packaging of parts. Supplier shall take necessary steps to ensure all FOD is removed from its packaging process to prevent introduction of FOD into parts during packaging and transit.

Q20 – Special Packaging

The parts covered by this PO cannot be bulk packaged and special packaging must be used to ensure the parts are not damaged due to nicks, dings and scratches. Generally, using the same packaging as the parts were received in will be sufficient; however, Supplier is solely responsible for damage to parts in its facility and while in transit back to MPM and if Supplier is unsure how parts should be packaged you must contact your buyer for clarification. If Supplier is reusing the packaging used by MPM, Supplier must ensure the packaging is still sufficient to reuse and does not absolve Supplier from insufficient packaging. In addition, reusing MPM packaging does not relieve the Supplier from complying with Q19 (FOD) and Supplier must ensure packaging is sufficiently clean to do so.

Q21 – Statistical Process Control (SPC)

SPC shall be employed on key, critical or controlling characteristics shown on the drawings or as identified in the PO and the results delivered to MPM with the first shipment of parts.

Q22 – Quality System Requirements

Supplier is responsible for maintaining a documented quality system in compliance with ISO 9001:2015, or AS9100D, as applicable to the work scope stated in this PO. Procedures, plans, and records will be made available for review by request of MPM.