

## Production Part Approval Process (PPAP) Submission Requirements

Dear Supplier:

Please take note of the following requirements to be included in each PPAP submission to Bamal Fastener Corporation. PPAP packages submitted to Bamal Fastener Corporation must include the corresponding part number and print revision level and date. All forms in the PPAP package must conform to the AIAG 4<sup>th</sup> Edition Format. Any permission to deviate from the instructions below must be received in writing from Bamal Fastener Corporation prior to PPAP submission, and a copy of the permission for deviation must be included with the PPAP submission and noted on the PSW.

**\*\*\*The supplier understands that issuance of any purchase order with PPAP requirements in no way authorizes the supplier to run mass production lots. Bamal will not be responsible in any way for production lots of parts that have been produced prior to explicit authorization from Bamal to produce the production lots\*\*\***

### Requirements for PPAP Submission:

1. Part Submission Warrant (PSW) made out to Bamal Fastener Corporation.
2. IMDS must be submitted to Bamal Fastener Corporation #83380 prior to submission.
3. Part drawing with balloons corresponding to the dimensional results.
4. COPIES OF ANY AND ALL MATERIAL AND PROCESS SPECIFICATIONS CORRESPONDING TO THE PART.
5. Dimensional Results for ALL characteristics shown on the part drawing.
6. If the supplier is design responsible for the product, then a Design FMEA must be included in the PPAP submission.
7. The following MUST be included for ALL steps of the manufacturing and finishing processes:
  - a. Part Number Specific Process Flow Diagram
  - b. Part Number Specific Control Plan referencing print/specifications provided.
  - c. Part Number Specific Process FMEA referencing prints/specifications provided.
8. Measurement System Analysis (MSA) Studies for ALL gages used in the inspection processes listed on the control plan.
9. 30-piece Capability Studies for all special or safety related characteristics identified in the drawings and specifications provided showing a Cpk value >1.67. Characteristics that do not show a Cpk >1.67 must have detail on quality control measures put in place to prevent the escape of nonconforming parts to Bamal Fastener Corporation or its end use customers.
10. Material, Property and Performance Test Results as performed by a qualified laboratory\*.
  - a. A qualified laboratory is any commercial testing facility that is accredited for the testing performed, and evidence of such accreditation must be included in the PPAP documentation submitted to Bamal Fastener Corporation.
  - b. If the laboratory used for testing is in-house, supplier must include documentation of the in-house laboratories scope in the PPAP documentation submitted to Bamal Fastener Corporation.
11. Unless otherwise specified, a minimum of 100 sample items must be included with the PPAP submission.
12. Any approved PSWs from all sub-suppliers performing secondary operations or other work in the manufacturing of the part.
13. IMDS information must be submitted electronically to Bamal Fastener Corporation. Please contact your Bamal Fastener representative for the correct IMDS number for submission. All PPAPs must include the IMDS number pertaining to the PPAP on the PSW at the time of submission to Bamal.
14. A copy of the supplier's current ISO or TS certificate must be included in the PPAP package submitted to Bamal Fastener Corporation.
15. A copy of all sub-supplier's current ISO or TS certificates must be included in the PPAP package submitted to Bamal Fastener Corporation.

**\*\*\*Once Bamal Fastener Corporation has provided PPAP approval, the supplier MAY NOT MAKE ANY subcontractor or process changes without written consent from Bamal Fastener Corporation.\*\*\***