



# Supplier Quality Requirements

## 1. Scope of Responsibility & Requirements

- 1.1. The Supplier Quality Requirements (“Requirements”) establish the quality requirements and obligations for suppliers, and sub-contractors/sub-tier suppliers (collectively referred to as “Supplier”) working with TPI Composites, Inc., its divisions, subsidiaries, and/or affiliates (“TPI”). Supplier is responsible for ensuring compliance with industry standards of care, skill, safety, and diligence expected of experienced and prudent professionals. Supplier represents and warrants that any subcontractor or sub-tier supplier complies with the Requirements, and Supplier is also responsible for the performance of its subcontractors and sub-tier suppliers.
- 1.2. Revisions. This Agreement is maintained by TPI. Minor changes and updates to procedures, not affecting the Requirements, will not necessitate a revision. The most up-to-date version of this document can always be found at <https://tpicomposites.com/suppliers/supplier-quality-requirements/>.

## 2. Supplier Responsibilities and Compliance

- 2.1. Supplier is responsible for ensuring full compliance with all applicable obligations, requirements and deliverables established under TPI’s Policies and Agreements, and any relevant customer requirements.

## 3. Safety Data Sheet and Technical Data Sheets

- 3.1. **Safety Data Sheets (SDS)**: The Supplier shall provide the Safety Data Sheets (“SDS”) for all materials, substances, or products supplied under these Requirements. The SDS must comply with local and international regulatory requirements, including but not limited to Occupational Safety and Health Administration (“OSHA”) standards, REACH, GHS, or other applicable legislation. SDS must be delivered to TPI in advance of the initial Product shipment, and any updates to the SDS must be provided promptly.
- 3.2. **Technical Data Sheets (TDS)**: The Supplier shall provide the Technical Data Sheets (“TDS”) for all materials, substances, or products supplied under this Agreement. The TDS must include detailed technical specifications, performance characteristics, and any relevant testing or certification information that is necessary for the proper use, handling, or application of the materials. The TDS shall be delivered in advance of the initial Product shipment and be updated as necessary, with the updated versions provided to TPI.
- 3.3. **Compliance and Updates**: The Supplier agrees to keep TPI informed of any changes or updates to the SDS or TDS, including but not limited to changes in chemical composition, hazards, performance characteristics, or regulatory status. The Supplier shall ensure that



all documents provided are accurate, complete, and in accordance with the latest applicable regulatory requirements.

- 3.4. **Failure to Provide SDS or TDS:** Failure to provide the required SDS or TDS in accordance with the terms of this Agreement may result in the rejection of materials, delays in the acceptance of shipments, or other remedies as specified in the Agreement.

## 4. Quality Management System

- 4.1. Supplier shall maintain a Quality Management System, Quality Assurance Plan, or Product Quality Plan compliant with applicable industry standards such as ISO 9001, AS9100/AS9120, IATF16949, and shall meet all TPI Requirements.
- 4.1.1. If Supplier does not have a formal system or plan in place, Supplier must document its actual quality practices and procedures and provide them to TPI in writing upon request. Additionally, Supplier shall provide copies of all applicable certifications to TPI.

## 5. Qualification Steps

- 5.1. APQP and PPAP Requirements. If Supplier is providing products that impact the manufacturing of TPI's finished product, TPI will notify the Supplier and Supplier shall comply with the Advanced Product Quality Planning ("APQP")/APQP4Wind and Production Part Approval Process ("PPAP"). Upon completion of the product or material verification and qualification, the approved process, including but not limited to materials, manufacturing methods, equipment, work instructions, and inspection criteria (hereinafter, the "Frozen Process"), shall be considered a Frozen Process and may not be modified without TPI's prior written consent.
- 5.2. Frozen Process Change Requirements. Supplier shall obtain TPI's prior written approval through a formal change notification for any proposed modification to the Frozen Process. Changes may require a revised PPAP submission for TPI's review.
- 5.2.1. A change includes, but is not limited to, any modification that may impact form, fit, function, system performance, safety, quality, reliability, durability, appearance, delivery, or serviceability, including:
- Part modifications: including packaging
  - Material changes: including material inputs, appearance
  - Sub-tier suppliers
  - Process changes: including modification of machines or manufacturing equipment
  - Manufacturing site changes

## 6. Audit Rights

- 6.1. TPI reserves the right to review or audit the relevant system, plan, practices, and/or procedures, including Material Suppliers, Designees, subcontracted products and service development processes, and manufacturing and process control plans applied to products. TPI, its designated third-party auditor, or TPI's customer may conduct such audits as deemed necessary. Any aspect of the system or plan, or anticipated modifications that



could affect planned outcomes, must be promptly communicated to TPI. In the event of a planned visit, TPI will provide advance notice, when practical. Supplier must provide production records (or service records) and evidence of conformance and compliance upon request. Any deficiencies or nonconformances noted during the assessments shall be documented, and Supplier must promptly correct, provide satisfactory evidence of closure, and comply with the requirements set forth below in Section 7.

## 7. Risk Mitigation

- 7.1. Corrective Action/Preventive Action (“SCAR”). Corrective Action information will be collected within TPI’s Supplier Quality Portal (“SQP”). A closed loop corrective and preventive action system shall be used to identify root cause of, and corrective actions needed, to correct any nonconformances or systemic quality issues. Suppliers must acknowledge SCARs within 48 hours TPI notification to supplier defects. This initial response must include containment plan to ensure all product in transit and any storage is not released to TPI production with (potential) defect. Containment is to stay in place until root cause is fully identified and corrective action(s) is implemented and verified. Root cause must be identified and documented within 15 days of the notification of defect. Full closure of SCAR is to be completed within 45 days of defect notification. Payment of Cost of Poor Quality (“COPQ”) will collected in accordance with the applicable agreement and other supplier obligations. Regarding effectiveness verification of Corrective Actions, TPI reserves the right to review, audit, or assess evidence onsite or per other agreed methods. A SCAR may be initiated if any of the Requirements are not adequately addressed or otherwise does not ensure product quality.
  - 7.1.1. If a supplier discovers a (potential) product nonconformance, that Supplier must provide written notification to TPI within 48 hours. Any request by the Supplier for a waiver must be in writing.
  - 7.1.2. In the event a Supplier does not correct nonconformances or quality issues in a timely and comprehensive manner, the Supplier shall receive written notice from TPI and TPI may seek all remedies including those set forth in the applicable Supply Agreement, Scope of Work, and Terms and Conditions. At TPI’s discretion, TPI may approve commercial or financial remedies if nonconformances are not rectified, or corrective actions are not put in place. After repeated issues and multiple documented notices, poor performing suppliers may be disqualified in TPI’s purchasing system.
- 7.2. Continuous Improvement. Continuous improvement and operational excellence processes are viewed as vital for process or productivity improvement and to ensure Requirements are achieved. Supplier performance shall be measured and monitored by TPI (see Scorecard Metrics listed below in Section 11).
- 7.3. Data and Record Retention. Supplier shall ensure that records, specifications, manufacturing methods, test plans, Certificates of Compliance/Conformance/Analysis/Test are maintained and available for review upon request. Record retention is required for a minimum period of 10 years, unless otherwise specified by TPI or its Customers. Record retention can be digital or hard copy (digital is preferred).



## 8. Packaging, Labeling and Shipping Requirements

### 8.1. General Shipping Requirements

- 8.1.1. Supplier shall ensure that all products are shipped in accordance with the agreed-upon delivery schedules, specifications, and any specific shipping instructions provided by TPI. The Supplier must use transportation methods that ensure the products are delivered in a timely and safe manner.
- 8.1.2. All shipments must comply with applicable transportation laws and regulations, including but not limited to customs regulations, import/export laws, and hazardous material handling (if applicable).
- 8.1.3. Advanced Shipment Notification (ASN) for complete shipment by License Plate Number (LPN) must be uploaded to the iSupplier portal utilizing the template provided in the portal.

### 8.2. Shipping Documentation

- 8.2.1. The Supplier must provide all required shipping documentation with each shipment, including but not limited to:
  - Bill of Lading, (if applicable)
  - Packing List
  - Invoice
  - Certificate of Origin (if applicable)
  - Certificate of Analysis and/or Certification of Conformance/Compliance (as applicable)
  - Any other required regulatory or import/export documents.
  - All documentation must accurately reflect the contents of the shipment and comply with applicable regulatory requirements. The Supplier must provide a copy of all relevant documentation to TPI in advance of shipment as directed by TPI.

### 8.3. Labeling and Marking

- 8.3.1. Each package, tote, carton, or container must be clearly labeled with the following information:
  - Supplier Name
  - Item Code and Description
  - Supplier Lot #
  - Unit of Measure and Quantity
  - Expiration Date
  - Special handling instructions (e.g., "Keep Dry," "Fragile," "Temperature Sensitive," "ESD Sensitive," "UV Sensitive," etc.)

### 8.4. Packaging Requirements

- 8.4.1. All products shall be packaged to prevent damage during transit, handling, and storage. Packaging must be suitable for the nature of the product and provide adequate protection from physical, environmental, and handling risks (e.g., moisture, dust, temperature fluctuations).



- 8.4.2. Supplier shall use appropriate and durable materials that minimize the risk of breakage, leakage, or deterioration. This includes the use of cushioning materials, boxes, pallets, shrink wrap, and any other necessary protective packaging components.
  - 8.4.3. Packaging must be clearly labeled to identify the product, lot number, serial number (if applicable), and any other required information as specified by TPI. The labels must be legible, durable, and compliant with applicable regulatory requirements.
  - 8.4.4. For hazardous materials, packaging must comply with all relevant safety and environmental standards, including labeling, handling instructions, and SDS provisions, if required.
- 8.5. Palletization and Staging
- 8.5.1. Pallets are to be treated as per applicable regulations (e.g., ISPM 15).
  - 8.5.2. Products must be palletized in a manner that ensures stability and prevents damage during transportation and unloading. Pallets must be in good condition and capable of supporting the weight of the goods without compromising product safety. Pallets and related packaging must be free from defect or destruction, or in a condition that can otherwise potentially cause product defect, bodily injury or death.
  - 8.5.3. Palletized shipments should be wrapped and secured appropriately to prevent shifting during transit.
  - 8.5.4. The Supplier should ensure that the shipping configuration allows for easy handling and storage at TPI's facility.
  - 8.5.5. If TPI approves the use of mixed pallets for products, Supplier shall ensure that all products are clearly labeled and marked to accurately identify each product type.
- 8.6. Environmental Considerations
- 8.6.1. The Supplier should, wherever possible, use environmentally friendly or recyclable packaging materials. Packaging materials that are reusable, biodegradable, or recyclable are preferred, and the Supplier is encouraged to minimize waste in packaging design.
  - 8.6.2. If the Supplier uses any hazardous materials for packaging, they must comply with applicable environmental regulations, and appropriate disposal procedures must be followed.
- 8.7. Changes in Shipping and Packaging
- 8.7.1. Any changes to the agreed-upon shipping methods, packaging materials, or processes must be approved by TPI in writing prior to implementation. The Supplier must ensure that any changes do not negatively impact the safety, quality, or timely delivery of the products.
- 8.8. Inspection and Rejection of Damaged Goods. Notwithstanding any rights to inspection and acceptance under this Agreement or any other agreements between the parties
- 8.8.1. TPI reserves the right to inspect the goods upon arrival at the designated delivery location. If the goods or packaging show signs of damage or if the shipment does not conform to the agreed-upon shipping or packaging requirements, TPI may reject the shipment.



- 8.8.2. Supplier is responsible for the prompt replacement or repair of any damaged goods and for any costs associated with the return or replacement of non-conforming shipments.
- 8.8.3. Notwithstanding any rights to inspection and acceptance under this Agreement or any other agreements between the parties.

## 9. Material or Product Verification & Acceptance

- 9.1. Supplier shall verify that the products provided are complete and compliant with the Requirements, Drawings/Specifications, Bill of Materials, Supply Agreement, Purchase Order, the Statement of Work documents, etc. This can be demonstrated through a means satisfactory to TPI, which may be checklists, material certifications, test and inspection reports, Certificates of Compliance/Conformance/Analysis/Test or equivalent to signify that the item(s) are complete and meet requirements specified for the products. Shelf-Life requirements are to be adhered to as communicated in the applicable agreement.
- 9.2. As part of acceptance, the product, completed service, or material will be inspected, tested, and verified to confirm that it meets the TPI Requirements. Supplier must verify operation, perform safety and performance tests in accordance with the applicable specifications, and confirm product acceptance requirements. Final acceptance by TPI is based upon the successful completion of inspection and testing.

## 10. Traceability & Identification

- 10.1. Identification and traceability requirements will be directed by TPI to the Supplier and shall be documented in the specification or on the drawing. Supplier shall ensure identification and traceability are implemented and records are provided to TPI at the time of delivery, maintained and available for review upon request. Identification may include part and lot or batch number labeling. Traceability may include batch number, lot number or serial number for genealogy and history. Two-way traceability needs to trace to all materials (and related genealogy) from the sub-tier supply base, as well as, what specific materials were incorporated into what finished goods were shipped to TPI.

## 11. Key Performance Indicators

- 11.1. Key Performance Indicators (“KPI”), are essential to TPI’s operations. Suppliers are expected to meet such standards on a continuous basis and non-compliance to such standards may result in action or re-evaluation of Supplier’s status.
- 11.2. TPI Performance and Collaboration Scorecard. The TPI Performance and Collaboration Scorecard is based on the following metrics and measures the supplier’s performance relative to the targets outlined below:



Category	Weight	Metric	Global Measure	Target / Highest Score Criteria
Performance	32%	Delivery and Support	Frequency of on-time delivery per committed delivery time	No late/early deliveries and no supplier responsible expedites
			Absolute variance of delivery quantities against purchase order quantity	Order vs Received Quantity
			Supplier performance % acknowledgement rate using iSupplier	PO in iSupplier as a percentage
Compliance	37%	Contract	Contract Status: MTC/Quality Requirements/Supply Agreement	Signed agreements by Supplier
			Compliance with contracts	No deviation from contract
		ESG Score	ESG Questionnaire Score	Measures the supplier's commitment to ESG objectives
		Quality	APQP / APQP4Wind Supplier Maturity	APQP / APQP4Wind trained personnel on staff
Collaboration	31%	ESG Commitment	ESG Supplier Goals Commitment	Signed Agreement
		Partnership	Vendor Managed Inventory and Lead Time with consideration to VMI, domestic stocks, and safety stocks	VMI or co-location with TPI, improved score on inventory agreements
			Payment Terms in consideration of TPI global Supplier standard of NET90+ at delivery time	Agreement to EOM 90 standard terms
			Customer Satisfaction in consideration of cost reduction initiatives, ease of doing business, overall performance, customer support, Supplier responsiveness, and supplier flexibility	Exceeds expectations for all criteria

11.3. TPI Quality Scorecard. The TPI Quality Scorecard is based on the following metrics and measures the supplier's performance relative to the targets outlined below:

Category	Weight	Metric	Global Measure	Target / Highest Score Criteria
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<b>Quality</b>	35%	Average SCAR Open Days	Amount of time a SCAR is open.	Target <45 days
	20%	Number of SCARs	Number of SCAR issues per quarter on global basis.	Target 0 SCARs
	25%	Value Impact of SCARs	Financial impact of defect(s) noted in SCARs.	Target \$0 USD financial impact to TPI
	20%	Audit Performance	Completion of ISO9001/ AS9100 /AS9120 /IATF16949 certification or IMS audit completion.	ISO9001/ AS9100 /AS9120 /IATF16949 certified, or IMS audit satisfactorily completed 100%

11.3.1. Supplier Quality Action Plans are required for Quality Scorecard scores that fall below the minimum threshold defined below. After publishing, the Supplier will be contacted and required to create a project plan that will identify timing, open actions, and owners of actions to be taken to correct the conditions creating the low scores. The Supplier may be released from the Quality Action Plan when they meet the exit criteria agreed upon during the meeting. Actions may be recorded within a SQP SCAR. Action Plan effectiveness may be determined via an onsite visit or other agreed upon method.

11.3.2. Quality Scorecards are evaluated within the following ranges to determine the appropriate corrective action:

- A score of 75% or higher does not require a Quality Action plan.
- Scores between 74% to 60% may necessitate the supplier being placed on a quarterly Quality Action Plan.
- A score of 59% or lower will require the supplier to be placed on a monthly Quality Action Plan which may include weekly meetings at the discretion of the TPI SQE assigned.

11.3.3. TPI utilizes a Supplier Scorecard to track performance over time and identify areas for improvement for our top global suppliers (determined by forecasted spend for the calendar year). The Supplier Scorecard consists of two scorecards that are presented to Suppliers. Scorecards will be provided to the supplier within the subsequent quarter.

## 12. General

12.1. This Agreement sets forth the quality requirements applicable to all Products supplied by Supplier to TPI and its affiliated and related entities. It shall apply to all Purchase Orders issued by TPI to the Supplier and is intended to complement the Master Agreement and



Supply Agreement between the parties, if applicable. In the event of a conflict between the quality requirements outlined herein, and any conflicting provisions in a Master Agreement, Supply Agreement, or PO, the terms included here shall govern solely with respect to quality matters. For all other matters, the terms of the Master Agreement, Supply Agreement, or PO shall govern. The parties executing this Agreement certify that they have the proper authority to bind their respective entities to all terms and conditions set forth herein.

- 12.2. Supplier shall ensure that all associates involved in the production, assembly, or quality assurance of products or services committed to the customer are thoroughly trained on the customer's quality requirements, policies, and requirements.