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## Supplier Manual

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This manual is intended to be comprehensive and “all-encompassing”; however, certain circumstances will prompt questions. If you have any questions regarding any part of this manual you are encouraged to contact your respective supplier quality engineer or commodity buyer.

## Supplier Qualification

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Qualification/Development of all Noble Polymers Direct Material Suppliers

- Prior to any exchange of intellectual property it will be necessary to have a signed Supplier CDA (Confidential Disclosure Agreement)
- **Supplier Information Form** is filled out by potential supplier (on Noble Polymers Website <http://www.noblepolymers.com/supplier-information>) and submitted to Purchasing
- Noble Polymers purchases under Noble Polymers’ Terms & Conditions (on Noble Polymers Website <http://www.noblepolymers.com/terms-warranties>)
- Quality, Diversity, Environmental, and any other Certifications are submitted by supplier to Purchasing. Quality and environmental certification must be to the current certification version. Quality certifications must be with Registrars accredited through the IAF MLA or IATF.

## Business Award Process

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Actions below will be used as a part of our sourcing activity.

- Supplier Risk Assessment will be completed
- Supplier certifications will be reviewed and must be current
- Supplier Scorecard will be reviewed
- If needed, a CDA may be executed
- A Dunn & Bradstreet Report may be generated
- A master supply agreement may be initiated
- An onsite visit may be scheduled depending on Supplier Risk Assessment scoring
- A second party audit may be conducted depending on Supplier Risk Assessment scoring

## Corporate Responsibility (Supplier Code of Conduct)

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Corporate Responsibility is the ongoing commitment by business to act ethically and contribute to economic development while improving the quality of life of the workforce and their families as well as of the local community and society at large. Noble Polymers supports our suppliers to follow the AIAG Corporate Responsibility Guidance Statement that can be found at [www.aiag.org](http://www.aiag.org) under Corporate Responsibility. All suppliers are required to complete *AIAG Supply Chain Sustainability eLearning* that can be found at [www.aiag.org](http://www.aiag.org). This is a no-cost training session.

## Policy on Business Gifts

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Noble Polymers associates may not solicit any gift, entertainment or other gratuity. Noble Polymers may not accept gifts, entertainment, or other gratuities from anyone seeking a contract with or purchase by Noble Polymers other than customary business courtesies that are reasonable in frequency and valued at \$100 or less. Any business gift or item of value greater than \$100 must be approved in writing by the Sr. Director Supply Management prior to acceptance.

## Grievance Process

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Noble Polymers feels interaction with our Suppliers is very important and always wants to preserve relationships with our supply base. With that intent in mind, the following process should be used whenever a supplier feels they have a grievance or concern. Any questions may also be sent in writing to the Sr. Director of Supply Management if going through the process does not seem appropriate.

<i>Type of Issue</i>	<i>Order of Escalation</i>			
<b>Delivery</b>	Materials	Materials Manager	Plant Manager	Purchasing Commodity Lead
<b>Supplier Quality</b>	Plant Quality Engineer	Quality Mgr. / Supplier Quality Mgr.	Plant Manager	Purchasing Commodity Lead
<b>Commercial</b>	Purchasing Commodity Lead	Sr. Commodity Manager	Sr. Director Supply Management	VP of Operations
<b>Ethical</b>	Sr. Commodity Manager	Sr. Director Supply Management	VP of Operations	Sr. VP of Department of Business Services
<b>Supplier Performance</b>	Sr. Purchasing Specialist	Purchasing Commodity Lead	Sr. Commodity Manager	Sr. Director Supply Management

## Product Safety, Statutory, and Regulatory Requirements

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Supplier must ensure they meet all customer specific product Safety, Statutory, and Regulatory requirements in the country of receipt, country of shipment and customer-identified country of destination, if provided. Requirements will be identified and communicated through the launch process, drawings and customer manuals. Compliance may be subject to audit verification.

## Conflict Materials

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### Background

In August 2012, the U.S. Securities and Exchange Commission adopted final rules to implement reporting and disclosure requirements related to “Conflict Minerals,” as directed by the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. Publicly traded U.S. companies that make products in which 3TG metals (tantalum, tin, tungsten and gold) are necessary to product functionality or production are required to assess their supply chains and publically report on whether those materials are sourced from countries in and around the Democratic Republic of Congo (the “Conflict Region”).

### Position

Noble Polymers supports efforts to end human rights abuses wherever they may occur, and acts in accordance with our vision of respecting global communities. We conduct business in a manner intended to avoid intentionally or knowingly contributing to such abuses. At Noble Polymers we strive to uphold one consistent standard of ethical conduct on a global basis, while respecting the culture and business practices of every country and community we touch. In the global business environment in which we operate, our long-term success is dependent on each of us executing business decisions with the highest ethical standards. Consistent with this commitment, our objective is to use conflict free materials and components in manufacturing our products. We expect our global supply chain partners to do the same, whether or not they are subject to the regulations on “Conflict Minerals.”

The reporting of Conflict Materials will be ongoing. Our expectation is that you notify us anytime a new component is purchased that requires a new Conflict Materials assessment. We will send you a new survey to complete.

## IMDS Requirements

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Noble Polymers, in support of our customers’ requirements, participates with the International Material Data System (IMDS). IMDS is a global data bank that contains information on materials used by the automotive and heavy truck industries. This is an international endeavor to better track and report the material content of manufactured products.

In support of this effort, Noble Polymers must report all materials present in finished products. These are collected, evaluated, and stored in the IMDS system. IMDS helps the suppliers to meet the regulatory requirements placed on manufacturers and to comply with global regulations and environmental laws.

Noble Polymers may require IMDS as a part of the supplier PPAP submission. This will include a chemical composition breakdown for raw materials (this data can be retrieved from the material certs) for all components supplied.

- If you have not already established a user ID for IMDS, please go to the following website:  
[www.mdssystem.com](http://www.mdssystem.com)
- You will also want to check your material certifications for restricted chemical substances on  
[www.gadsl.org](http://www.gadsl.org)
- Noble Polymers does not offer training to its suppliers, however, commercial training is available on  
[www.mdssystem.com](http://www.mdssystem.com)
- You must enter the appropriate Client ID # for IMDS to automatically route your completed forms to the IMDS Client Manager. Use the following Client ID # for Noble Polymers:
  - Client ID # 51182

## Certificate of Analysis

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Noble Polymers requires Certificate of Analysis when required by our customers. C of A's must be submitted to the correct email address prior to delivery of materials. Email is shown below. Email Subject line must include Supplier Name, Material, and Lot Number.

- [noblecoa@noblepolymers.com](mailto:noblecoa@noblepolymers.com) for Noble Polymers – Facility located in Grand Rapids

## Special Processes

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All parts shipping into Noble Polymers that undergo any of the listed special processes below must be identified and an AIAG CQI Assessment submitted if the end customer requires CQI documentation. This annual requirement includes special processes performed at your facility or at an outside facility that you contract with to make our part.

CQI-9 – Heat Treating	CQI-11 – Plating	CQI-12 – Coating
CQI-15 – Welding	CQI-17 – Soldering	CQI-23 – Plastic Molding
CQI-27 – Casting		

## Supplier Schedules

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Supplier requirements will be communicated through Supplier Schedule/Material Releases, Purchase Orders, inventory levels, or Kanban. Requirements can be retrieved through EDI, portal or email. Materials will work with each supplier to communicate what method will be used. Electronic methods are always preferred.

Contained on the Purchase Order or Supplier Schedule/Material Release is the following information:

- Your company name, address, and Noble Polymers assigned supplier number
- Your company contact information (if information is incorrect it is the suppliers' responsibility to call with corrections)
- Noble Polymers' right to inspect
- Release ID (Noble Polymers assigned, date of release update)
- Purchase Order number – must be on all shipping and invoicing documents
- Part number and description – must be on all boxes and documents
- Delivery dates (**in house at Noble Polymers**) and quantity information

Noble Polymers expects suppliers to utilize a robust capacity planning process. If there is a period of two continuous weeks or more where Noble Polymers' needs push the supplier's capacity utilization to 120%, we would like to be notified. That notification should include the supplier's plan to manage the short and long term capacity constraint.

If there is a period of four continuous weeks where Noble Polymers' needs push the supplier's capacity utilization to 100%, we would like notification and a capacity plan constraint communicated.

Please note that, notwithstanding anything contained in any purchase order, statement of work or other communication from Noble Polymers, volumes and the duration of awarded programs are dependent on customer demand and are not guaranteed by Noble Polymers. Quantities listed as estimates by Buyers are best estimates of the quantities of supplies required and are subject to change from time to time, without r without notice to Seller and shall not be binding upon the Buyer. Unless otherwise expressly stated in the Order, Buyer makes no representation, warranty, guaranty or commitment of any kind or nature, whether express or implied, to Seller in respect of Buyer's quantitative requirements for the supplies or the term of supply of the supplies.

## Contingency Plan

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Noble Polymers requires suppliers to have contingency plans in place that will ensure uninterrupted flow of products and services. These need to be available upon request to Noble Polymers. They need to address the following criteria:



- Key equipment failures
- Interruption from externally provided products, processes and services
- Recurring natural disasters
- Utility interruptions
- Labor shortages
- Infrastructure disruptions
- Cyber attacks
- Validate that the manufactured product continues to meet customer specifications after the re-start of production following an emergency in which production was stopped and if the regular shutdown processes were not followed.

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## Customer Owned Tooling

Customer owned tooling, gauges and test fixtures must be identified as prescribed by the customer, including identification with appropriate asset tags or similar identification. Final payment of tooling will be contingent upon verification of proper identification and completion of PPAP as defined by AIAG PPAP Level 3 requirements.

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## Customer Specific Requirements

Supplier must monitor and meet Noble Polymers Customer Specific Requirements. Customer Specific Requirement compliance may be subject to audit verification.

Suppliers are responsible to ensure their employees are qualified to perform their assigned responsibilities/duties and provide documentation to Noble Polymers upon request.

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## Supplier Shipping Policy

Please be advised that if you fail to ship parts according to the releases, it is your responsibility to immediately notify your Noble Polymers contact. By doing this, Noble Polymers may be able to work with you and address your inability to ship the correct quantity on time.

The logistics routing guide can be found at <http://www.noblepolymers.com/routing-guide>.

If you do not contact us before your shipping date and you do not ship the correct parts in the correct quantity with the correct paperwork, we reserve the right (in addition to other remedies that may be available) to immediately issue a non-conformance or corrective action. If, as a result of a non-conformance, our plant(s) experiences downtime or our customers are affected, we may immediately engage in cost recovery efforts.

Your compliance to this policy will help prevent jeopardizing our customers due to outages and/or incorrect product.

It is **your responsibility** to contact us if you are not seeing updated releases. If there is a system problem, we can address the situation and make the necessary corrections.

## Receiving Requirements

Noble Polymers requires the following to ensure on time receiving:

1.	Complete Bill of Lading / Packing Slip (or both if required) to include the following:		
	Destination Address	Bill of Lading Number	Noble Polymers' Part Number
	Supplier Name	Actual Ship Quantity	Lot Number(s) – if applicable
	Delivery Date	Part Description	Noble Polymers Purchase Order Number
	PO Line Number		
2.	Bar Code Label on all cartons		
3.	Advanced Shipping Notification (ASN) as available		

**Lack of proper paperwork can have the following effects:**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• <b>Product may be refused</b></li> <li>• <b>Payment can be delayed</b></li> <li>• <b>Receiving is difficult and can be delayed</b></li> </ul> | <ul style="list-style-type: none"> <li>• <b>Production could be jeopardized</b></li> <li>• <b>An NC may be issued</b></li> <li>• <b>Performance score may be affected</b></li> </ul> |
|--|--|

## Labeling and Bar Code Requirements





All incoming product shall have bar code labels that are readable by Noble Polymers. Standard 4 x 6 AIAG label format. When using a standard barcode app, Code 39 or Code 128 should be used depending on the length of the part number. (Code 128 works better for longer part numbers.) Code 39 is sometimes referred to as Code 3 of 9. See Examples.

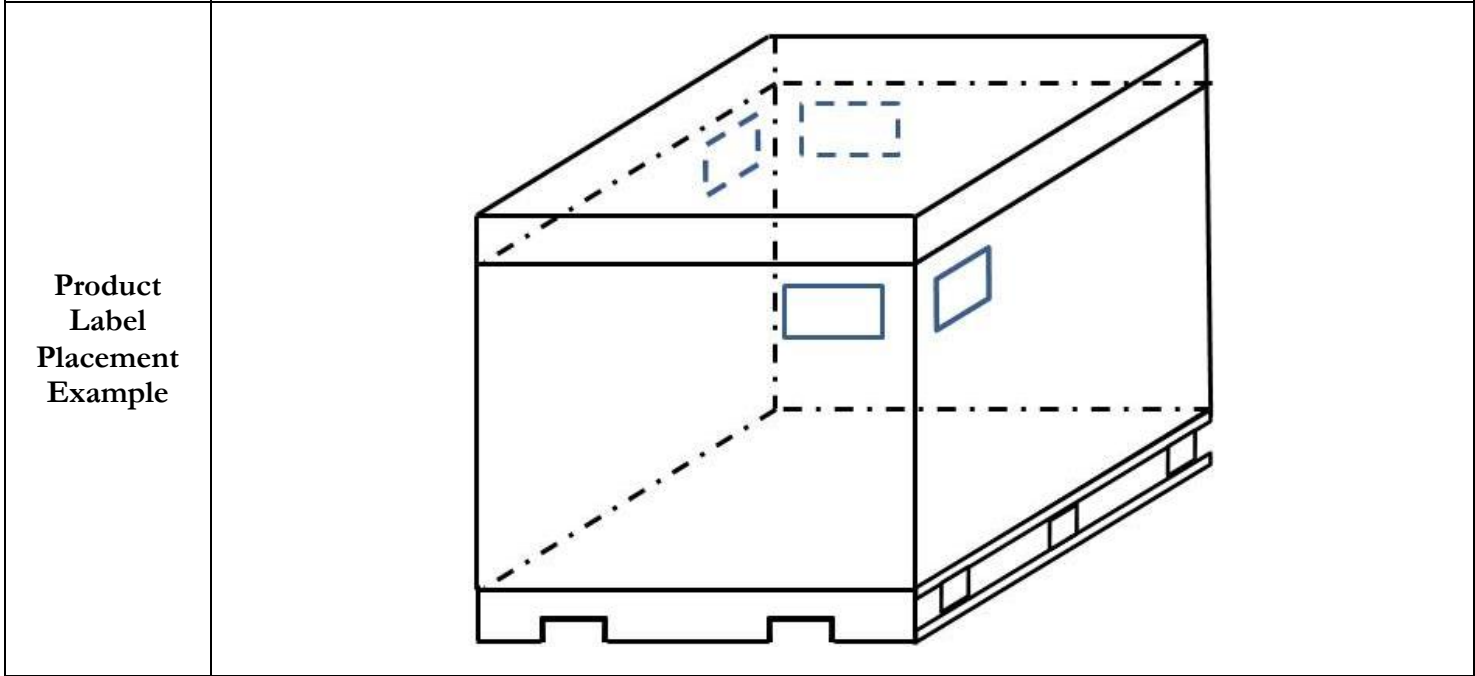
All incoming product must be labeled with the following:

- 1) Two or Four Product Labels per carton. See below.
- 2) One Master Label per SKU on skid.
- 3) Noble Polymers part number, quantity, and purchase order number must be a print size of ½”.

Product Label Details		
1	Noble Polymers part number	Barcode (P) prefix
2	Part Description	Non-Barcode
3	Quantity	Barcode (Q) prefix
4	Noble Polymers purchase order number	Barcode (K) prefix
5	Inspection status	Leave blank if not inspecting
6	Lot number or serial number (if applicable)	Barcode (S or 1T) prefix
7	Tare Weight (optional)	Non-Barcode
8	Labels should be on 2 adjacent corners of the box at a minimum for a box 24” or smaller	
9	Boxes/Gaylords larger than 24” on a side must have 4 labels (one on each side)	
10	Boxes on a skid should have labels facing out on all 4 sides of skid	

In the case of returnable containers, all previous stickers must be removed or blocked out. Labels need to be on adjacent corners. It is the supplier’s responsibility to notify Noble Polymers of packaging that needs repair, rework or disposal.

<p><b>Lot # Label Example</b></p>	<p>PART NO. <b>5000-P759</b></p> 		<p>INSPECTION STATUS <b>OK TO USE</b></p>	
	<p>DESCRIPTION <b>WHITE PE MB WHITE PE MB</b></p>		<p>MANUFACTURED <b>3/10/2010</b></p>	
	<p>LOT NO. (IT) <b>12345</b></p> 		<p>TARE WEIGHT <b>52 LBS</b></p>	
	<p>QUANTITY (Q) <b>1700</b></p> 		<p>PO NO. (K) <b>AGS10991</b></p> 	
	<p>Supplier Name, 1234 Maint Street, Grand Rapids, MI 49512</p>			




Master Label Details		
1	Noble Polymers part number	Barcode (P) prefix
2	Part Description	Non-Barcode
3	Quantity	Barcode (Q) prefix
4	Noble Polymers purchase order number	Barcode (K) prefix

**Master Label Example**

**MASTER LABEL**

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PART NO (P) **5000-P759**




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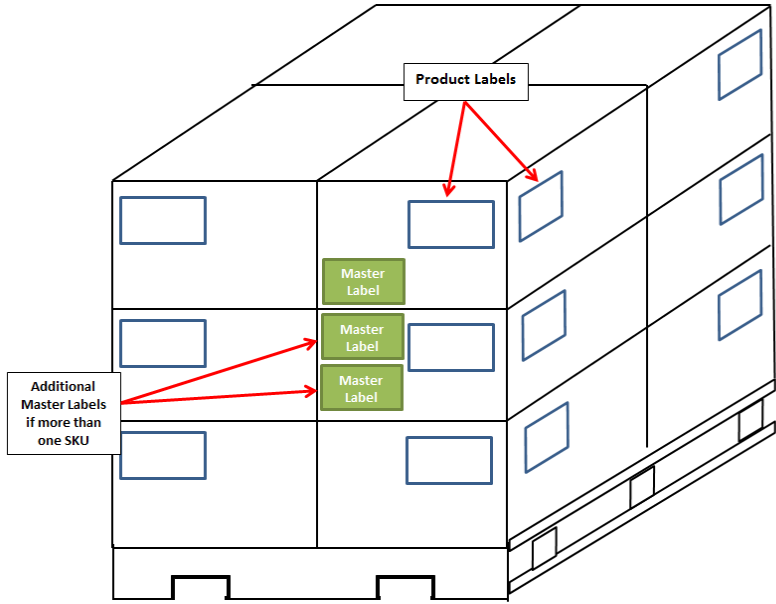
DESCRIPTION **WHITE PE MB**  
**WHITE PE MB**

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QUANTITY (Q) <b>1700</b> 	PO NO (K) <b>AGS10991</b> 
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Supplier Name, 1234 Maint Street, Grand Rapids, MI 49512

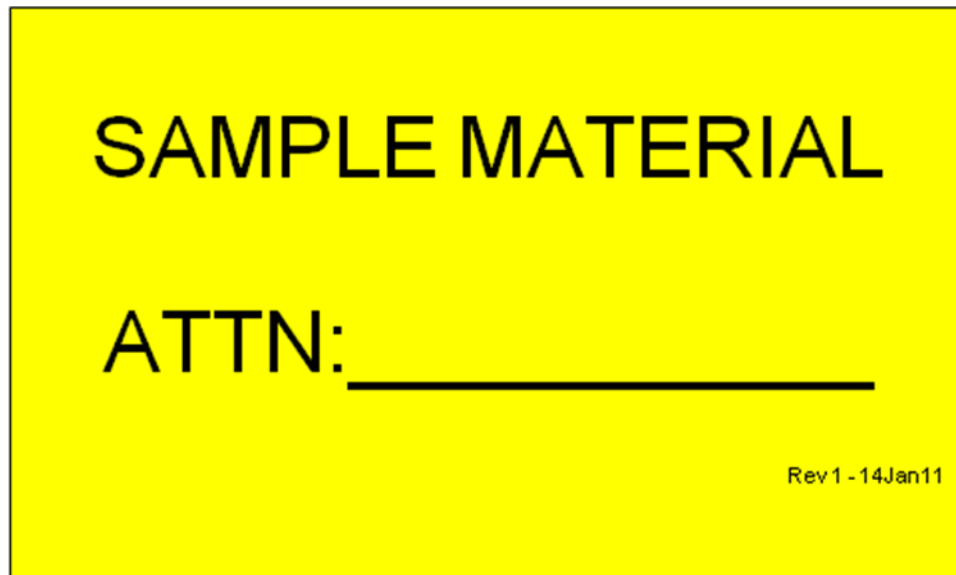
**Master Label Placement Example**

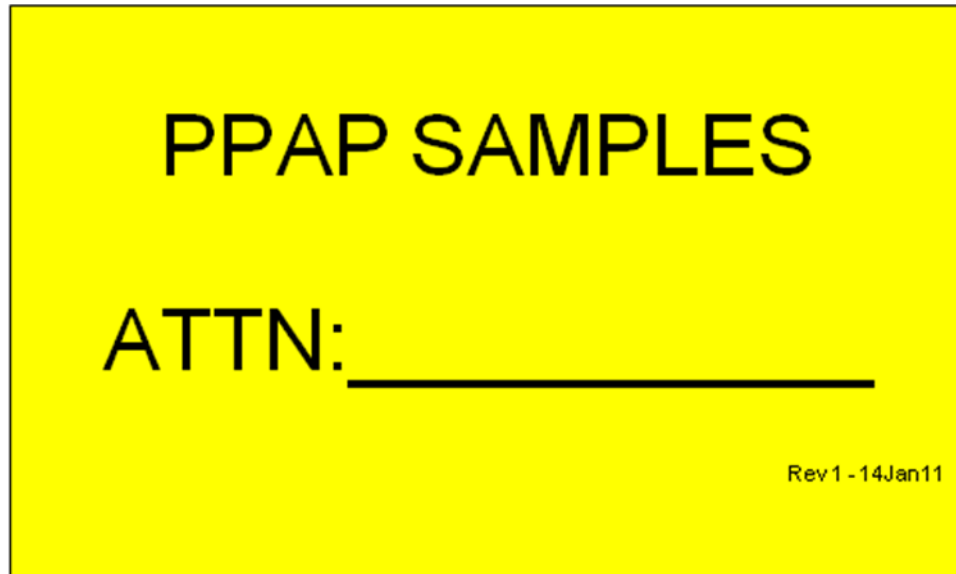


## **Engineering and PPAP Samples**

Engineering samples provided to Noble Polymers must be labeled clearly on the package and parts with the following guidelines:

- 3 x 5 inch yellow label
- Affix to front and back of each package
- Include the following on the label:
  - SAMPLE MATERIAL or PPAP SAMPLE
  - ATTN: \_\_\_\_\_
- Actual sized sample labels displayed below:





## Invoicing Requirements

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All invoices must include the following information:

1. Noble Polymers part number
2. Noble Polymers purchase order number
3. Noble Polymers purchase order line number
4. Quantity shipped
5. Price
6. Packing slip / BOL number

**Any non-conforming invoices will be returned unprocessed.**

Noble Polymers standard payment terms are net 60.

All invoices are to be sent to:

[cepayables@cascadeng.com](mailto:cepayables@cascadeng.com)

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## Supplier Process Validation Responsibility

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If production is stopped and regular shut down process were not followed, it is required that the supplier have re-start processes in place to ensure that the manufactured products continue to meet all specifications after restart. This could be the result of, but not limited to, natural disasters, cyber-attacks, equipment failures, fire, utility interruptions, pandemics, and labor shortages.

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## NC/Corrective Action Information

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An NC, 3L5Why or corrective action is initiated to a supplier when it is determined that it is necessary to formally address a problem (not all problems will require a corrective action, 3L5Why or NC). The severity of the problem will determine the response required. A 2<sup>nd</sup> Party audit may be conducted as a result of a corrective action. The audit scope will be defined and provided to the auditee prior to the audit.

- Initial response must be given within **24 hours** and must include:
  - Problem confirmation and results of inventory review at supplier location if containment is required.
  - Brief description of containment plan and implementation timing (if required)
- RMA issued:
  - RMA number must be issued within 5 working days
- Final response must be given within 10 working days and must include:
  - Root cause of the problem and method used for discovery and verification
  - Corrective and preventative actions and implementation dates
  - Completed 3L5Why (if required)
- Rework and disposition will be coordinated by the plant Quality Engineer or designee. Delivery issues will be coordinated with Materials.

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## Cost Recovery Information

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**General Costs** – A \$150 charge may be assessed for each NC, 3L5Why or corrective action issued.



**Rework / Containment Costs** – Should a problem be detected with your product you will be given the option to come into Noble Polymers and sort the product yourself, send in an independent sort company, or have product returned and replaced at your expense. The freight expense is considered premium shipment costs. Noble Polymers will charge you **\$75 per hour** per person for rework until your choice of options has arrived to correct the problem.

**Errors in Production Documentation (missing cert, mislabeled cartons, etc.)** – Any shipment that arrives without required documentation or with incorrect information, may be refused at our option. If this refusal results in a shutdown, shutdown charges (below) will be assessed.

**Shut down Costs** – In the event that a Noble Polymers press is shut down due to non-receipt of product or receipt of defective product, an hourly charge equal to the rate per hour of that press will be charged to the supplier until the press is back up and running. **Hourly press rates range from \$150 per hour to \$750 per hour depending on press size and labor required.**

Unless covered by the number of tryouts quoted on the tooling RFQ, the tool supplier will be responsible for additional costs associated with production downtime for the issues that are the responsibility of the supplier. The costs will be applied as stated above.

**Customer Rejects** – Noble Polymers will recover all customer charges as they relate to supplier quality defects/rejects along with any charges Noble Polymers incurs for overtime.

**Premium Shipment Costs** – If you incur any premium shipment costs, a copy of the invoice must be sent to Noble Polymers, Attention Logistics Department. All premium freight costs must be tracked per Quality requirements. Please include an explanation of the expense.

**Excessive Problem Solving Costs** – If a supplier issue requires extended use of Noble Polymers salaried resources in order to close out the issue, the supplier will be notified and asked to provide on-site support for the duration of the issue or will be charged for the use of Noble Polymers' resources. **Hourly rates for salaried and engineering resources will be charged at a rate of \$75 per hour.**

**Travel Costs** – Travel time and expenses of Noble Polymers employees (hourly and salaried) required for support (plant visits, customer updates necessary at the customer location, etc.) of supplier issues may be charged back to the supplier.

**Other Remedies** – The foregoing will not limit any of the other rights or remedies that may be available to Noble Polymers under the parties' contract or applicable law.

## Supplier Performance Measurements

Suppliers delivering/servicing production materials regularly will be measured on the following criteria.

Sections	Value
Delivery	20 Points
Quality	30 Points
Disruptions	30 Points
Value	15 Points
Management System	5 Points

**Delivery:** **Requirement: 100% on time delivery 20 points**

**Dates on supplier schedules/purchase orders are “in house” dates.** Suppliers may be allowed to ship up to 2 days early. This will be discussed on a per item basis. Late deliveries will be counted against the total score. (Exceptions will only be considered if arrangements are made prior to the due date and do not jeopardize our customer schedules.)

- A. Quantity – Received quantity must equal Noble Polymers order release quantity.
  - a. Under shipments and late deliveries may result in a 5 point deduction
  - b. Over-shipment and shipments arriving more than 2 days early may result in a 2 point deduction
  
- B. All shipments must contain a Bill of Lading/Packing Slip. Non-conforming paperwork may result in a point deduction. All Bill of Ladings/Packing Slips must comply with the requirements listed in the *Receiving Requirements* section.
  
- C. Premium Freight – Must be tracked and reported to Noble Polymers. Points may be deducted if premium freight is utilized. If premium freight is caused by Noble Polymers’ actions, premium freight will be tracked, but no point deduction will follow.

Quality: Requirement: 100% quality product 30 points

All incoming product must meet applicable specifications. “Applicable specifications” refers to the specifications that are approved during the latest PPAP. Specifications include all safety, statutory and regulatory requirements applicable. Before shipment starts, a Level 3 PPAP following the current AIAG manual must be submitted and approved for all new products unless otherwise defined by the Quality Engineer. Any changes to product must be re-submitted and approved prior to production/service changes, **including but not limited to changes in suppliers, materials, processes, tooling, inspection criteria, or manufacturing facility.** *If required, a safe launch plan may be required based on a minimum of 3 consecutive production runs with zero defects, or 5 consecutive production runs with zero defects if under 1,000 total pieces.* If any change is initiated without approval, all costs, including but not limited to rejections, warranties and sorting, will be the responsibility of the supplier. Product that is received out-of-spec will be considered late. Line accumulations will be charged back once per month or more often if needed.

Suppliers are responsible to ensure their employees are qualified to perform their assigned responsibilities/duties and provide documentation to Noble Polymers upon request.

**Defective or out of spec materials**

The supplier is responsible for monitoring and managing the quality of their products.

- Noble Polymers does **not** perform receiving inspection
- If a supplier ships, or suspects they may have shipped, defective material to Noble Polymers or its customers, they are required to notify Noble Polymers immediately in writing and implement containment activities

PPM Results		
PPM =	$\frac{\text{Total Actual Verified Defective Parts}}{\text{Total Number of Received Parts}}$	X 1,000,000
Delivery PPM Performance	Point Value	
0 PPMs	30 Points	
1 – 125 PPMs	25 Points	
126 – 249 PPMs	15 Points	
250 – 1,000 PPMs	10 Points	
1,001 – 2,000 PPMs	5 Points	
2,001 +	0 Points	

**Disruptions:** **Requirement: No disruption costs 30 points**

Disruptions are events that affect service to Noble Polymers’ manufacturing plant or customer’s plant. These types of events are listed below. The maximum point loss in this category is -30 points. All suppliers will be given 30 points to start the period. Deductions may be taken for disruptions.

Disruption Type	Point Value
Repeat delivery issue	10 Points
Repeat quality issue	10 Points
Customer claim	10 Points
Poor communication causing a disruption	10 Points
Late delivery causing CE FoC or Customer shutdown	10 Points
Late PPAP	10 Points
CPR (Configurable Problem Report) initiated	5 Points
Late CPR response	5 Points
Missed ASN	5 Points
Documentation error	5 Points
Defective Barcode	5 Points
Supplier expense premium freight	2 Points
Deviation request	2 Points
Opening an NC (Non-conformance)	2 Points

**Value:** **Goal: Products & Services that create a world class supply chain 15 points**

Cost Reductions
<p><b>Innovation</b> – Noble Polymers has a 45 year history of developing innovative products, processes and materials. We believe that innovation can come from anyone, anywhere, at any time. We encourage all of our suppliers to exchange ideas with us in an effort to provide creative solutions that ultimately deliver better product, processes or material solution at the lowest total cost.</p> <p><b>VE/VA</b> – We believe that every product, process or material in use today can be improved. These improvements can be substantial or incremental but in both cases the end result is to make something better. As a current supplier to Noble Polymers, we value your capabilities and welcome your thoughts on how we can make things better together.</p>

Value	10 Points Possible
<p>10 is the maximum points for this section while 0 is the minimum. Points will be awarded and/or deducted as follows:</p> <ul style="list-style-type: none"> <li>• This program will begin 9/2019 and continue as a rolling 12 months</li> <li>• 10 is the maximum points for this section</li> <li>• Points in this section will be reviewed quarterly</li> <li>• Cost savings proposals can earn up to 10 points</li> <li>• Implementation of a cost increase outside of signed agreements or unrelated to market movements deducts 10 points. It will apply for 12 rolling months or until a cost savings is implemented or a savings idea is proposed.</li> <li>• Holding costs for 12 months earns 7 of the 10 possible points</li> </ul>	

<b>DSS (Diversity/Safety/Sustainability)</b>	
<p>Noble Polymers is an Anti-Racist Company and strives to be a leader in diversity activities &amp; programs internally, within our communities, and with our customers &amp; suppliers. Noble Polymers tracks and measures our diverse spend against our goals. Noble Polymers also supports a Racism-Free supply chain and we ask our suppliers to do the same.</p> <p style="text-align: center;">Noble Polymers values safety in everything that we do throughout our entire supply chain.</p> <p style="text-align: center;">Noble Polymers focuses on sustainability as a part of everything we do.</p> <p>We have created a question set to learn more about what your company is doing in the areas of Diversity, Safety, and Sustainability.</p> <p>Points are allocated based on questions regarding your company practices or policies that have ‘Approved’ responses. Point valuation listed below.</p> <p style="text-align: center;">NOTE: This assessment may be audited at your location.</p>	
Value	5 Points Possible
0 Approved	0 Points
1 – 3 Approved	1 Point
4 – 6 Approved	2 Points
7 – 9 Approved	3 Points
10 – 12 Approved	4 Points
13 – 15 Approved	5 Points

**Management Systems:**

**5 points**

Suppliers of direct (production) materials are expected to have an effectively implemented quality system.

All direct material suppliers for automotive production shall be third party registered by an accredited third-party certification body to ISO 9001 as a minimum with the ultimate objective of becoming certified to IATF automotive standard.

If a supplier is not certified to the ISO 9001 certification at a minimum, then said supplier would be allowed to supply product as long as Customer specifies we use the non-certified supplier (a customer sign off acknowledging this situation would be required).

All supplier for non-automotive production shall be third party registered by an accredited third-party certification body to ISO 9001 if required by Noble Polymers' customer.

Exceptions must be approved by Noble Polymers or Noble Polymers' customer if certification is required by the customer. For distribution companies, their suppliers that provide product for Noble Polymers must also comply with these requirements.

Noble Polymers expects all suppliers to have a system in place for management review of Key Performance Indicators. Information regarding the performance of these indicators shall be made available to Noble Polymers upon request.

Noble Polymers is committed to continuous reduction of negative impacts on the environment by utilizing an Environmental Management System. The support of suppliers throughout the supply chain is needed to meet this commitment. The point system is listed below.

<b>Quality Management System</b>	<b>4 Points Possible</b>
Registered to IATF 16949	4 Points
Registered to ISO 9001	3 Points
Not Registered	0 Points
<b>Environmental Management System</b>	<b>1 Point Possible</b>
Registered to ISO 14001	1 Point
Not Registered	0 Points

Maximum points available in this section are 5 points. If you are IATF 16949 and ISO 9001 certified, you would receive 4 points. NOTE: Your Registrar must be recognized by IATF (International Automotive Task Force).



**Title:** NOBLE POLYMERS SUPPLIER MANUAL  
**Number:** NP-0501013-FM

In the event of revocation of registration, Noble Polymers must be notified within 48 hours. Submittal of new registration upon expiration of current is the supplier's responsibility.

Noble Polymers reserves the right to perform a Supplier Audit (FOCSUPDEVWI-0038). An audit may be used for supplier risk assessment, supplier monitoring, supplier QMS development, product audit, or process audits. A 2<sup>nd</sup> Party audit may be conducted as a result of a corrective action. The audit scope will be defined and provided to the auditee prior to the audit.

## Noble Polymers Supplier Rating

### SUPPLIER PERFORMANCE RATING

Point Range	Classification	Comments
95 – 100	Preferred	These suppliers will be first in line for new business opportunities in their commodity.
80 – 94	Acceptable	Suppliers in this category may still be awarded new business. While this rating is acceptable, suppliers should have a goal to improve and grow into the preferred supplier category.
70 – 79	Substandard	If this rating is achieved for 3 or more consecutive months, Supply Management will issue a formal corrective action and may meet with supplier’s executive management.
0 – 69	Probationary	<p>If this rating is achieved for 6 or more consecutive months, Supply Management will take one or more of the following actions:</p> <ul style="list-style-type: none"> <li>- Formal corrective action to address system failures</li> <li>- Schedule an on-site audit</li> <li>- Begin de-sourcing process</li> </ul>

Supplier who fall below 70 points for six consecutive months may be de-sourced. The commodity manager will consider the following when making a determination to de-source.

- Customer-directed supplier
- Remaining life of program
- Level of difficulty in changing the supplier
- Sole source of product
- Total cost to change suppliers



## QMS CLASSIFICATION RATING

QMS Classification Model			
<p>Each supplier will have a QMS classification level based on their certification.            The target level for each supplier will be the next higher classification OR better with the ultimate goal of achieving IATF16949 certification.            All suppliers will begin with level green within their classification.            Minimum acceptable level for suppliers in any classification is green.</p>			
<table border="1" style="margin: auto;"> <tr style="background-color: #c6e0b4;"> <td style="padding: 5px;">Suppliers in this category are considered low risk.</td> </tr> <tr style="background-color: #fff2cc;"> <td style="padding: 5px;">Suppliers in this category are considered moderate risk.</td> </tr> <tr style="background-color: #e41a1c;"> <td style="padding: 5px;">Suppliers in this category are considered high risk.</td> </tr> </table>	Suppliers in this category are considered low risk.	Suppliers in this category are considered moderate risk.	Suppliers in this category are considered high risk.
Suppliers in this category are considered low risk.			
Suppliers in this category are considered moderate risk.			
Suppliers in this category are considered high risk.			

Classification	Category		
A	IATF Certified	Supplier Performance score is 80 or better	Suppliers in this category need to target remaining IATF certified w/acceptable or preferred supplier performance ratings.
		Supplier Performance score is below 80 for 3 consecutive months	
		Supplier Performance score is 79 or below for 6 consecutive months	
B	ISO Certified w/compliance to IATF through second-party audits	Supplier Performance score is 80 or better	Target for suppliers in this classification is Classification A with 80 or better performance scores.
		Supplier Performance score is below 80 for 3 consecutive months	
		Supplier Performance score is 79 or below for 6 consecutive months	
C	ISO Certified w/compliance to MAQMSR	Supplier Performance score is 80 or better	Target for suppliers in this classification is Classification A or B with 80 or better performance scores.
		Supplier Performance score is below 80 for 3 consecutive months	
		Supplier Performance score is 79 or below for 6 consecutive months	
D	ISO Certified	Supplier Performance score is 80 or better	Target for suppliers in this classification is Classification A, B or C with 80 or better performance scores.
		Supplier Performance score is below 80 for 3 consecutive months	
		Supplier Performance score is 79 or below for 6 consecutive months	
E	Non-Certified Suppliers	Supplier Performance score is 80 or better	Target for suppliers in this classification is A, B, C, or D with 80 or better performance scores. If customer requires certification, written approval must be obtained to source to non-certified suppliers.
		Supplier Performance score is below 80 for 3 consecutive months	
		Supplier Performance score is 79 or below for 6 consecutive months	

## SUPPLIER RISK RATING

Risk Assessment Outline	
<p>Each supplier will be assessed risk based on the following categories.            Final score will determine if an audit is required.</p>	
Categories Scored	Possible Category Points
Certification ISO9001 / IATF16949 / None	8
Technical Assistance on Staff, Contracted or N/A	3
Safety/Statutory/Regulatory Requirements required apply to product produced Supplier needs to show evidence of compliance and monitoring	4
Limited Sources Supplying within the Industry	15
New Technology	15
New Supplier to Cascade Engineering FoC	15
Tooling Condition Risk Any tools with known condition issues will be considered higher risk	15
Supplier Financial Stability	15
Supplier Provided Scorecards Suppliers new to Cascade Engineering FoC will be asked to supply current Scorecards showing delivery and quality performance metrics	10

## Supplier Manual Revisions

Rev	Date	Description of Changes
24	08-25-2021	Updates made to the following sections: <ul style="list-style-type: none"> <li>• Supplier Qualifications</li> <li>• Business Award Process</li> <li>• Product Safety, Statutory, and Regulatory Requirements (added)</li> <li>• Special Processes</li> <li>• Customer Owned Tooling (added)</li> <li>• Customer Specific Requirements (added)</li> <li>• Supplier Performance Measurements</li> <li>• Noble Polymers Supplier Rating (added QMS &amp; Risk Rating)</li> </ul>
25	09-07-2021	Supplier Process Validation Responsibility section added
26	09-24-2021	Comments added after Table of Contents and before Supplier Qualification section
27	01-13-2022	Update to Supplier Performance Rating comments