

Standards Document: *Southern Indiana Logistics Center (SILC) & Seymour Engine Plant (SEP)*

**This document isn't the total standards and requirements for Cummins. Please refer to the [Global Packaging Standards](#) to review all specific standards and requirements. **

Part Protection, Cleanliness, and Failsafing

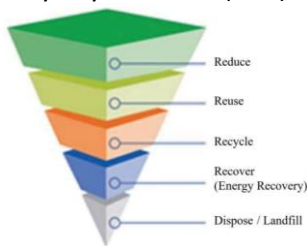
- Plan the packaging such that parts may be removed without unnecessary handling.
- Protect open holes of functional parts which may be adversely affected by contaminants.
- When plugs and caps are used, they shall be easy to remove, but shall remain intact during transportation and handling.
- Supplier packaging and preservation methods shall protect for print specified part cleanliness requirements. Parts that are not clean due to packaging debris will be considered out of specification and may be subject to MNC or SCAR through the Part Quality System.
- Packaging may be designed to failsafe our manufacturing processes and/or to facilitate assembly through the incorporation of a mistake-proofing function to the packaging and/or through part presentation.

Preservation & Shelf Life

- Preservation shall be sufficient to protect the product from any corrosion or deterioration for a period of **6 months for production parts** and **18-months for aftermarket/service parts**, under normal warehouse storage and transportation conditions.

Sustainability & Environmental Impact

- Acceptable packaging materials include, but are not limited to:
 - Clean corrugated/fiberboard
 - Coated (non-wax) and fully recyclable fiberboard.
 - Molded pulp
 - Clean Kraft Paper
 - Paper (VCI treated acceptable)
 - Polyethylene materials (HDPE, LDPE, LLDPE) other than foams
 - Polyethylene Terephthalate (PET, PETE, PETG, RPET)
 - Polypropylene materials (PP)
 - Steel
 - Wooden pallets/boxes/crates (*shall comply with International Standards for Phytosanitary Measures (ISPM-15)*)
- Allowable packaging materials with Cummins receiving site approval at the part number level:
 - Single Use plastics (e.g., partitions, layer trays and pads)
 - Foams (Ethylene, Propylene, Styrene, Urethane, etc.)
 - Polyvinyl Chloride (PVC)



Packaging Materials and Prohibited Packaging Materials

- The supplier shall apply proper packaging principles in palletization and unit load securement
 - Polyester strapping is preferred.
- Metal strapping shall not be used without express written permission at the part number level from the Cummins Receiving Site Packaging Representative
- The Gross Weight Limit (GWL) for manually handled containers to any given Cummins facility shall not exceed **14.515 kg or 32 lbs.**
- Prohibited Packaging Materials:
 - Hazardous materials except those allowed and regulated by World Health Organization standards
 - Soiled Corrugated (oil soaked)

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- Wax or poly-coated corrugated (these are non-recyclable)
- Microfoam laminated corrugated
- Materials (solid wood) requiring ISPM 15 compliance treated with methyl bromide (MB)
- Where practicable, all polymer resin material shall have the recycling resin code visible and legible, per ASTM D7611

1	2	3	4	5	6	7
PETE	HDPE	PVC	LDPE	PP	PS	OTHER
polyethylene terephthalate	high-density polyethylene	polyvinyl chloride	low-density polyethylene	polypropylene	polystyrene	other plastics, including acrylic, polycarbonate, polyethylene, nylon, fiberglass
soft drink bottles, mineral water, fruit juice containers and cooking oil	milk jugs, cleaning agents, laundry detergent, bleaching agents, shampoo bottles, waterlogged shower caps	trays for sweets, fruit, plastic packing (bubble foil) and food bins to wrap the foodstuff	crushed bottles, shopping bags, highly-resistant sacks and most of the wraparound	furniture, containers, luggage, toys as well as bumpers, lining and external borders of the cars	toys, hard packing, refrigerator bins, cosmetic bags, costume jewelry, audio cassettes, CD cases, vending cups	an example of one type is a polycarbonate used for CD production and baby feeding bottles
						

ISPM-15 Standard

- It is **REQUIRED** that all international shipments and any shipments to Cummins Aftermarket Parts Distribution Centers comply with ISPM-15
- Acceptable Pallet Styles:
 - Block Style, with 9-Block Risers
 - 2-Way Entry, Flush Style Pallet
 - 4-Way Entry, Flush Style Pallet
 - Plastic pallets may also be acceptable.

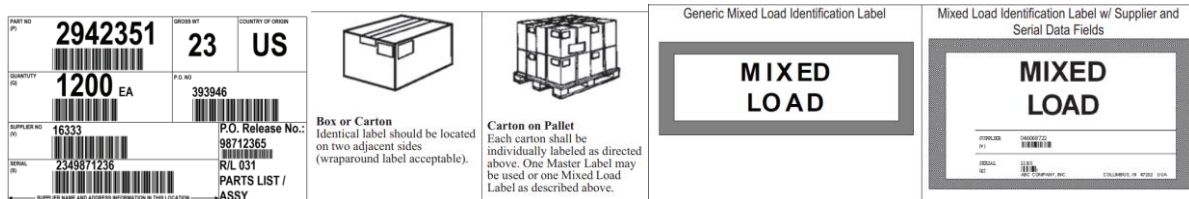


Packaging Closure

- The following methods of closure are prohibited, without written approval from the receiving site:
 - Metal Stitches and Staples
 - Steel Strapping (Banding)

Bar Cod Shipping/Parts Label Specification

- The preferred Cummins labeling format is ODETTE. Another acceptable label is the AIAG Shipping/Parts Identification Label Standard. Mixed Item loads shall have a label with the words "Mixed Load"



Ergonomics & Sustainability

- Part orientation for ergonomic presentation shall optimize the operator's grasp, lift, manipulation, and part transfer to the work.
- Operators should be able to grasp and lift the part from the packaging while maintaining neutral postures.

Unit Load Stability & Stack-ability

- The unit load shall safely stack up to **8'4" (2540 mm)** in a dynamic environment and to the greater of **three high or 10'6" (3200 mm)** in a static environment.
- The maximum gross weight of loads shipped to Cummins locations shall not exceed **4,000 lbs. per unit load** unless authorized by the Cummins receiving site.
- The unit load shall use between **3-5 layers of stretch wrap** depending on preference of desired strength.

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