



These specifications apply to the acceptance and loading of tank trailers at LyondellBasell (LYB) facilities, as well as at third-party facilities contracted by LYB

Product Handling Equipment Specification (PHES) - Tank Trailer	
Commodity [select from drop-down]:	N-Methyl Pyrrolidone Electronic (NMP-EL)
SDS Number:	BE1006
Refer to SDS section 14 for this product's transport classification	
General Tank Truck Information:	
DOT Specification:	MC 307, DOT 407 (Stainless Steel Trailer); dedicated equipment preferred for LYB-arranged deliveries
Insulation:	Preferred, not required
Heating Capabilities:	Not Required
Gasket Material:	Teflon rope, virgin teflon, or teflon encapsulated; dome gasket must give a leak free seal upon completion of loading; dome lid and all openings must have a seal point
Connections/Fittings:	All must be stainless steel with dust caps containing seal points, on all outlets of the trailer, capable of being sealed with a 1/8" cable seal
Liquid Connection:	3" male camlock (quick connect) with sealable dust cap; bottom rear loader (center loader requires approval from LYB); must have seal points; consignee may have specific equipment requirements listed in LYB shipping document
Vapor Connection:	2" male camlock (quick connect) with sealable dust cap, piped to grade-level (GLV) with 2" stainless isolation valve upstream of fitting; inline pressure gauge at grade-level preferred; standard 3/4" top vapor connection may be acceptable with prior approval from LYB
Nitrogen Padding:	Trailer must have 5-7 psig nitrogen pad upon arrival to load, and provide a leak free seal pre-and post-loading
Tank Cleanliness:	Trailer preferred to be in dedicated service to load electronic grade product; if not dedicated, a cleaning or reload certificate is required, along with preapproval from LYB; a clean trailer must be clean, dry, and odor free; if trailer is reloading or topleading, a copy of the prior LYB shipping paper is required as proof that the last contained was LYB material; LYB Technical Services team must be notified when a LYB-arranged trailer has been washed, or is entering dedicated service, to determine pickling requirements

Strapping Chart:	Required
Hoses:	Hoses are not required to load at LYB facilities; there may be consignee-specific hose requirements listed on the LYB shipping document
Additional Appurtenances:	Must have current LYB Shipping Notice document, Transwide call-off, or carrier manifest to be accepted for loading; driver must arrive at pickup point at the designated/pre-scheduled time; driver must always notify LYB of any requested light loading due to potential exceedence of gross legal load weight, or variance from consignee's ordered quantity; for LYB-arranged dedicated equipment, return seals must be sent with the driver, who must ensure they're applied (either by driver or consignee personnel) once offloaded
Misc. Restrictions:	No additional personnel in tractor unless team driver(s); pets are strictly prohibited
Acceptable Prior Cargoes:	Not applicable
Prohibited Prior Cargoes:	Not applicable
Disclaimer:	LYB reserves the right to reject any trailer based on its actual condition or suitability as determined during on-site inspection and in accordance with US DOT regulations.