

ULTRAPAC-360 SERIES™

Bubble-X® Sleeve Packs

A sleeve pack is a reusable, unit load shipping system designed to store and transport parts or goods in a closed loop supply chain. Sleeve packs consist of a collapsible sleeve and a shipping platform. Typically, sleeve packs nest and stack together for optimum shipping and storage space.

Why should you choose sleeve packs?

Benefits of sleeve packs include:

- High Stiffness
- Lighter Weight than Bulk Molded Containers
- Moisture and Weather Resistance
- Impact and Tear Resistance
- Totally Recyclable
- Dust Free
- Non-Toxic
- Chemically Inert

Eco-Friendly packaging solutions:

- 100% Recyclable

Ergonomically friendly:

- Designed to improve handling and truck loading
- Reduce workplace injuries
- Lightweight for ease of assembly



**Sleeve packs offer
up to 85% volume
reduction in
storage and
empties return.**

ULTRAPAC-360 Series™ vs. Molded Bulk Containers

How do sleeve packs compare to molded bulk containers?

- Lower cost of ownership
- Ease of handling
- Potential space and freight savings
- No repair or maintenance costs
- Higher freight density

Ease of Handling

Sleeve packs are lighter weight when compared to molded bulk containers, with sleeve packs weighing in at an average of **56 lbs*** and molded bulk containers weighing in at an average of 136 lbs**. With sleeve packs, no equipment is required in order to move individual pallets or sleeves. These combined lend the potential for less injury.

*56 lbs. based on 8mm Bubble-X® (400#) Sleeve Pack with two 45x48 SS thermoform MI pallets (.25 starting gauge)

**136 lbs. based on average weight of five different injection molded 4845-34 models produced in the industry.

Potential Freight and Space Savings

Sleeve packs offer savings of valuable floor space when collapsed. This savings includes inbound staging area space savings whether the sleeve is a Z-fold design, M-fold design or clam shell design. Sleeve packs not only give users savings of space, but also potential savings on freight costs due to a higher return ratio.

The average collapsible, injection molded bulk container has a return ratio of 2.6:1, while the average sleeve pack has a return ratio of 7:1.

Repairs & Maintenance

Sleeve packs have little to no repair or maintenance issues to worry about due to the fact that there are no hinges, latches, panels or side panel rods to replace or scrap.



ULTRAPAC-360 Series™ vs. Molded Bulk Containers

Low Cost of Ownership

On average, sleeve packs are priced 15-20% lower than injection molded containers.

Higher Freight Density

Sleeve packs offer higher freight density on both outbound and inbound shipments.

Outbound:

- Potentially more parts per truck shipment before reaching gross weight restrictions, translating to lower freight cost per part.*
- Tare weight 4845-34 sleeve multiplied by 78 quantity = 4,368 lbs.**
- Tare weight 4845-34 injection molded bulk container multiplied by 78 quantity = 10,608 lbs.***

Net effect of 6,240 lbs. of additional parts per T/L

Inbound:

- Freight savings associated with a higher return ratio
- 4845-34 sleeve pack collapses to 416 quantity minimum per T/L
- 4845-34 injection molded bulk container collapses to 208 quantity per T/L

100% increase in quantity per T/L if both are collapsed for return

*based on 53' trailer and 42k lbs. minimum

** based on 8mm (400#) Bubble-X® sleeve pack with two 45x48 SS thermoform MI pallets

*** avg. weight of five different injection molded 4845-34 bulk container models in the industry



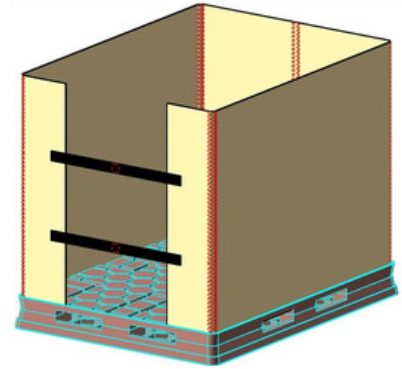
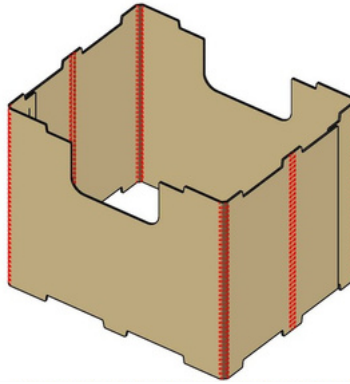
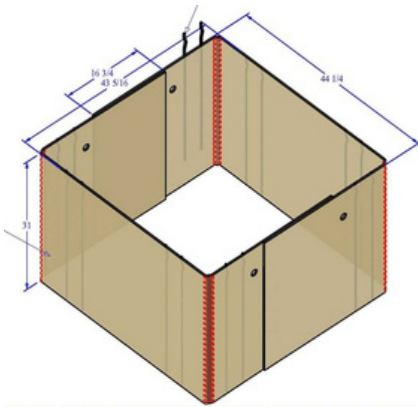
ULTRAPAC-360 Series™ vs. Corrugated Fiberboard

- Improved industrial hygiene
- Moisture and weather resistant
- Higher puncture and tear resistance
- Greater deflection strength in transverse direction
- Enhanced load stability through interlocking pallet system
- Lower cost of ownership via greater number of reuses



Types of Sleeve Pack Systems

From standard designs to custom pieces, there are many sleeve pack types and options to meet the application needs of any reusable, protective packaging project.



Choosing the **right** sleeve pack for your next project.

Questions for determining what sleeve is right for you:

- What contents will be going into the sleeve pack?
- How will the contents be added to the sleeve pack?
- How will the contents be taken out of the sleeve pack?
- Weight of the contents?
- How will the contents be supported inside of the sleeve pack?
- Static (warehouse) stack height? (Example: 3 sleeves high)
- Dynamic (truck) stack height?
- How many cycles/returns are needed?
- Temperature requirements?

Additional Considerations

- Pallet size
- Sleeve height or total sleeve pack height
- Custom colors or additives
- Options such as placards, doors, locks, etc.
- Color (white or grey)
- Target price



Questions?

For more information, please contact:



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