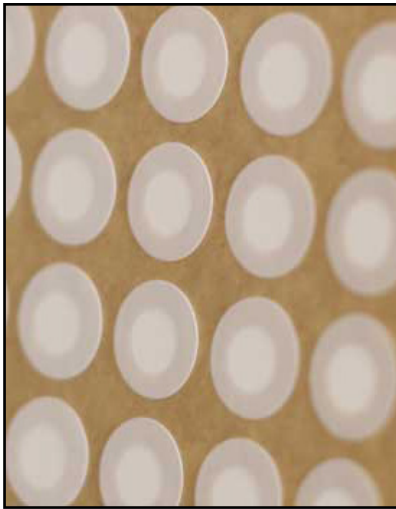


VENTING SOLUTION FOR IP RATED ENCLOSURE

CHALLENGE: A “smart” shipping pallet needed to be durable, sustainable, light weight, and hermetically-sealed with a polyurethane antimicrobial coating, and could be exposed to wash and sterilization cycles & other harsh conditions. A section of the pallet would contain advanced electronic components and sensors to enable the pallet to actively monitor temperature, humidity, motion, and impact.



Representation of die-cut venting discs and smart shipping pallet

MATERIAL: PTFE Membrane Material

- Allow pressure equalization due to temperature changes
- Minimizes condensation while keeping out dust, dirt, and moisture
- Rated to IP 64,67, and 68

MATERIAL: Tackified Acrylic Adhesive

- High adhesion level
- Excellent resistance to demanding environmental conditions

SOLUTION: Marian Die-Cut Venting Discs

- Materials stocked in-house, allowing for quick delivery of samples and prototypes.
- Laminated and die-cut discs precisely to ID and OD specifications.
- Provided kiss-cut to liner for final automated placement within enclosure.

PART: PTFE VENTING MEMBRANE DISC

