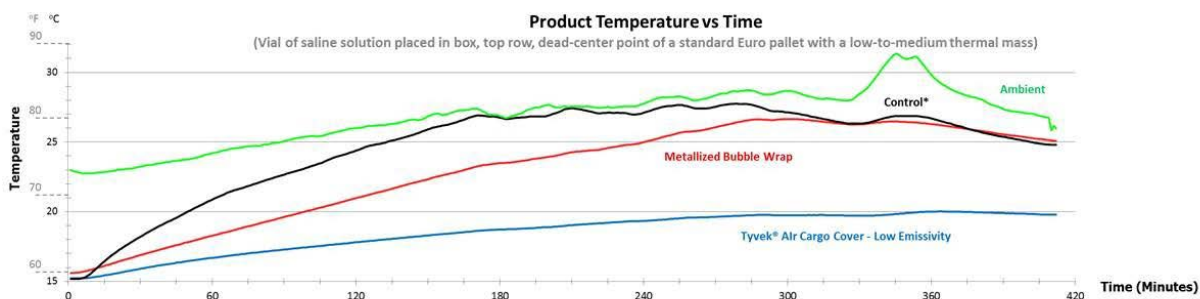


TYVEK® CARGO COVERS: EXCELLENT PROTECTION AGAINST TEMPERATURE EXCURSIONS



Effect of Solar Radiation and Ambient Temperature on Simulated Pharmaceutical Load

Method

- Test samples – Low thermal mass (110 liters water, liqui-pack) euro sized pallets, each protected with a different cover.
- Covers tested – Tyvek® low emissivity cover and pre-formed metallized bubble wrap cover.
- Control – No protective cover.
- Pallet configuration – 18 15"×15"×15" boxes stacked 3W×2D×3H; stretch wrapped on sides only for load stabilization.
- Air and product temperatures measured at top center, south face center, & top southeast and southwest corners.
- Test conducted in Florida, November 2012.
- Full sun exposure with ambient high temperature of 31°C (88°F).

Tyvek® Cargo Covers substantially lower peak temperature and extend tarmac times during cold chain breaks.

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To maintain efficacy, DuPont™ Tyvek® Cargo Covers must be stored in the original package under dry, normal temperature conditions. DuPont™ Tyvek® Cargo Covers have been designed for one-time or limited use in line with sanitary regulations and pest management best practices. Sufficient pre-cooling and correct temperature management from start of the cool chain is essential for optimal performance. DuPont is not liable for product damage during the use of the cover. Cold Chain Technologies, LLC is not liable for product damage during the use of the cover.

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