Tyvek® Air Cargo covers protect temperature-sensitive cargo from solar radiation

COMPANY/ ORGANIZATION

DUPONT®

FOOD CHAIN AREA

ISSUE ADDRESSED

Maintaining proper temperature during air transport is most difficult during temporary breaks in the cold chain, where cargo is subject to extreme conditions, such as prolonged exposure to solar radiation and ambient temperature extremes on the tarmac. Temperature-sensitive cargo is especially prone to spoilage during air transport.

SOLUTION

DowDuPont's Tyvek® Air Cargo covers provide thermal protection to sensitive cargo from the damaging effects of solar radiation heat. Made from HDPE, they are lightweight, tear resistant, and easy to use. Their reflective property helps keep shipments naturally cooler and allows for rapid cooling of the load when placed in chilled storage or cooling chambers, shortening cooling times. In addition, they are permeable, enabling gases and vapors to escape and helping reduce spoilage and condensation. They also provide protection from heavy rains and a variety of airborne contaminants.

EXPECTED BENEFITS

Reduced food waste: One client, Newrest First Catering, reduced wastage by 2/3 by using Tyvek® Air Cargo.
Improved cold chain management: The covers generate an average of 15.4˚C lower temperature when compared with an uncovered load and 9.2˚C lower than ambient temperature. They also provide better temperature control during breaks in the cold chain and significantly lower relative humidity to comparable cargo covers.
Increased savings: They lead to reduced costs associated with losses, excursion management, secondary packaging, and shipping.

CASE LINK

www.dupont.ca

CONTACT INFORMATION

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