

INATECH®

Packaging Supplies & Equipment

TECHNICAL DATA

PAPER COOL PACK



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PRODUCT

PAPER COOL PACK

DESCRIPTION

High quality Kraft Paper Cooling Pad that emphasizes the natural look. The gel pack is available in different sizes. Ideal for the thermal transport of temperature-sensitive products between 0°C and 8°C.

The water-based cooling gel is non-toxic and easy to dispose of with household waste.

The PCM gel pack is reusable and can be handled safely. In addition, no special labeling of the cooling elements is required.

APPLICATION

There are three common temperature ranges in the pharmaceutical, biotechnology and medical industries where temperature-sensitive products, such as serums or active ingredients, must be transported and stored:

- +15 to +25°C (ambient);
- +2 to +8°C (cold);
- -15 °C (frozen).

The use of dry ice in the transport of temperature-sensitive products is becoming increasingly critical. Dry ice as a coolant is classified as a dangerous good for air traffic (UN 1845) according to IATA-DGR (International Air Transport Association - Dangerous Goods). In the aviation sector, as well as in the regulations for the transport of dangerous goods by road (ADR), dry ice is subject to labelling.

Dry ice is made up of frozen carbon dioxide (CO₂), has a phase transition at -78.5°C and goes directly into the gaseous state without melting. Dry ice can only be used once. Improper handling of this refrigerant product can cause cold burns. The PCM gel pack is a safe alternative to dry ice. The melting point of the special PCM (phase change material) is -21°C. The frozen elements are preconditioned at -30°C to -40°C.

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DATA**

FEATURE	U/M	VALUE
Material	-	kraft paper laminated with LDPE
Recyclable yes/no	-	Yes, 100%