

Controlled Room Temperature AMBIENT Packs

Application

AMBIENT Packs are designed and manufactured for shipping of products at controlled room temperature of 15 to 30°C (60°F to 80°F) while providing protection from extreme hot and cold ambient conditions.

For Hot Ambient Conditions

Ambient conditions are considered “hot” when the shipping box during transit is exposed to high temperatures of 35°C (95°F) or more, for long durations.

Instructions for pack-out:

1. Set the refrigerator to 15°C (60°F). Place the AMBIENT Packs flat on a tray. Check for leaks while the packs are in a liquid state. Dispose of any leaky packs.
2. Position the tray in the refrigerator. Multiple trays can be conditioned at the same time if there is adequate and unblocked air circulation over the surface of the AMBIENT Packs.
3. Allow the AMBIENT Packs to charge for at least 24 hours before use. The AMBIENT packs must feel completely solid after conditioning.
4. Prepare the shipping box for pack-out. Place one AMBIENT Pack at the bottom of the shipping box. Place the payload to be shipped on top of the pack. Position the second AMBIENT Pack flat on top of the payload and shut the box. Pack-out instructions may vary based on need.
5. The pack-out and labeling operations should be executed in a controlled room temperature environment not exceeding 20°C (68°F). Use additional caution while handling the conditioned AMBIENT Packs. They can be damaged if dropped while in a solid state.
6. After pack-out, leave the shipping boxes in the temperature-controlled room until they are ready for pick up.

For Cold Ambient Conditions

Ambient conditions are considered “cold” when the shipping box during transit is exposed to low temperatures of 10°C (50°F) or less, for long durations.

Instructions for pack-out:

1. Set the warming chamber to 30°C (86°F). Place the AMBIENT Packs flat on a tray.
2. Position the tray in the warming chamber. Multiple trays can be conditioned at the same time if there is adequate and unblocked air circulation over the surface of the AMBIENT Packs.
3. Allow the AMBIENT Packs to charge for at least 24 hours before use. The AMBIENT packs must feel completely liquid after conditioning. Check for leaks while the packs are in a liquid state. Dispose of any leaky packs.
4. Prepare the shipping box for pack-out. Set packs out at room temperature for 20-30 minutes before packing. Place one AMBIENT Pack at the bottom of the shipping box. Place the payload to be shipped on top of the pack. Position the second AMBIENT Pack on top of the payload and shut the box. Pack-out instructions may vary based on need.
5. The pack-out and labeling operations should be executed in a controlled room temperature environment not below 25°C (77°F). Use additional caution while handling the conditioned AMBIENT Packs. They can be damaged if compressed while in a liquid state.
6. After pack-out, leave the shipping boxes in the temperature-controlled room until they are ready for pick up.

CAUTION

- DO NOT boil, microwave, or flash freeze the AMBIENT Packs. Excessive heating or cooling can lead to over expansion or contraction of the product and may damage the pack.
- DO NOT drop the solid packs after conditioning as the impact may damage the pack.
- DO NOT squeeze the liquid packs. Check for leaks when the packs are in a liquid state and dispose of any leaky packs as per instructions.
- AMBIENT Packs solidify as ambient temperatures fall below 22°C (72°F) and liquefy as ambient temperatures rise above 22°C (72°F). The product's optimal operating range is 15°C to 30°C (60°F to 80°F).
- This product is water based with a mixture of salts. It is non-toxic and non-flammable. Please refer to the product SDS for detailed instructions on disposal, containment of spills, inhalation, contact with skin or eyes, or ingestion.

Rev 08/31/2021