

FreezeTech®



FreezeTech® systems are a more environmentally friendly and cost-effective alternative to dry ice for keeping products frozen during shipment. FreezeSorb®, our non-toxic salt-based PCM delivers temperature control of -25°C to -15°C to safeguard frozen cargo.

- Fully qualified range of -25°C to -15°C PCM shipping systems for frozen goods
- Offers protection for up to 48 hours
- Uses **FreezeSorb®**, our non-toxic salt-based PCM which delivers reliable and robust temperature control
- **FreezeSorb®** eliminates many of the drawbacks associated with the use of dry ice
- Exempt from dangerous goods restrictions and premiums
- Manufactured in house according to ISO9001:2008
- A flexible and cost-effective alternative to dry ice
- On-site training and supporting documentation provided

Chill
2°C to 8°C

Ambi
15°C to 25°C

Freeze
-80°C to 0°C

FreezeTech®



Phase Change Materials (PCMs) are substances that absorb and release thermal energy during the process of melting and freezing. When a PCM freezes, it releases a large amount of energy in the form of latent heat. When it melts, it absorbs a large amount of heat from the environment. PCMs recharge as ambient temperature fluctuates, making them ideal for temperature control applications.

FreezeTech® Range Provides temperature control for up to 48 hours

FreezeTech Product	External Dimensions in [mm]	Payload Dimensions in [mm]	Payload Volume l	Tare Weight lb [kg]	Volumetric Weight lb [kg]
FreezeTech 5	17.91 x 15.75 x 12.99 [455 x 400 x 330]	9.65 x 7.28 x 4.13 [245 x 185 x 105]	4.8	20.7 [9.4]	22.3 [10.1]
FreezeTech 21	22.40 x 20.20 x 17.20 [569 x 513 x 437]	14.17 x 10.04 x 9.06 [360 x 255 x 230]	21.1	41.4 [18.8]	47.0 [21.3]
FreezeTech 47	22.40x 20.20 x 28.15 [569 x 513 x 715]	14.17 x 10.04 x 20.08 [360 x 255 x 510]	46.8	66.4 [30.1]	76.7 [34.8]

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ABOUT US

Sonoco ThermoSafe® is the leading global provider of temperature assurance packaging for the safe and efficient transport of pharmaceuticals, biologics, vaccines and other temperature sensitive products. Our shipping solutions mitigate risk for our customers and ensure product efficacy throughout the extremes of a supply chain. Sonoco ThermoSafe has operations in North America, South America, Europe and Asia to assure close proximity to our customers. Our vast product offering features industry leading technology that encompasses refrigerated, frozen or controlled room temperature applications. In addition, Sonoco ThermoSafe's ISC Labs® delivers individualised design and testing services and innovative packaging solutions, along with qualification and validation services to meet all regulatory requirements.