

## ICECATCH® Solid Insulated Cool

ICECATCH® Solid Insulated is a self-insulating cooling element with an integrated insulation layer. Its functionality is simple yet ingenious. The unique insulation layer prohibits radiative cooling from the frozen cool brick with a temperature of  $-18^{\circ}\text{C}$  from reaching your product. It only emits the desired cooling temperature of approx.  $\pm 0^{\circ}\text{C}$  into the product space, thus ensuring that the temperature in the system's payload compartment stays above the critical value of  $+2^{\circ}\text{C}$ . This gives you

### Technical Data

- \* Melting range  $\pm 0^{\circ}\text{C}$
- \* Phase transition  $0^{\circ}\text{C}$
- \* Thermal capacity: liquid 4,2 kJ/kg K, fest 2,08 kJ/kg K
- \* Latent heat: 330 kJ/kg

### PROTECTCOOL

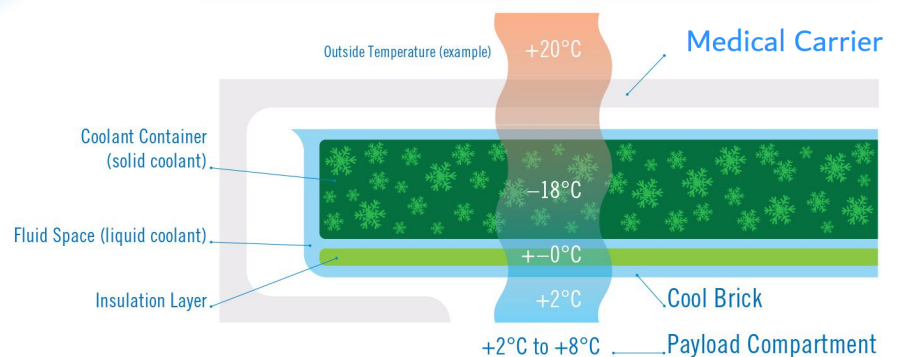


the possibility of a secure cold chain from  $+2^{\circ}\text{C}$  to  $+8^{\circ}\text{C}$  for up to 120 hours.

The PA/PE composite film that encloses our cooling elements consists of at least 50% "green" polyethylene. In contrast to conventional plastic made from oil or natural gas, this "green" plastic is made from sugar cane waste materials, offering a novel and sustainable alternative to standard polyethylene.

### Key Advantages:

- \* Qualified system solution for transporting at  $+2^{\circ}\text{C}$  to  $+8^{\circ}\text{C}$
- \* No different preconditioning of cooling elements
- \* Easy handling, no additional insulating material
- \* Minimized procurement and storage costs, only one cool brick format needed
- \* Reduced transport cost through weight reduction
- \* Batch documentation and traceability of the cooling elements
- \* FDA and EU-compliant film, non-toxic ingredients
- \* PA/PE composite film is based on at least 50% of the renewable raw material of sugar cane.
- \* Robust PA/PE-composite film is approved for food and pharmaceutical use
- \* Immediate global availability
- \* No tooling costs
- \* Increased leak protection through substrate-bound coolant in EPS or Neopor



sectional view ICECATCH® Solid Insulated

Product Name	Product SKU	Weight (g)	Dimensions (mm)
ICECATCH 500g	ICECATCH_SOLID_ISULATED_COOL-500g	500g	195 x 130 x 23
ICECATCH 1100g	ICECATCH_SOLID_ISULATED_COOL-1100g	1100g	280 x 190 x 30