

PP-VIP Insulation Box

The PP-VIP insulation box uses the efficient insulation performance of the VIP and the strong protection of PP saturated polyester to make it safe for long-term use. PP-VIP box is mainly composed of insulation layer and protective layer. When matching with different high efficiency PCM, diversified cold chain solutions can be realized.



Insulation Layer: It adopts glass fiber VIP or fumed silica VIP splicing process with simple structure, high stability and consistency, which is convenient for maintenance and repair during long-term use.



Protective Layer: It is mainly made of PP saturated polyester material with high impact resistance and toughness, it can protect the thermal insulation layer well.



Features and Benefits



Long-lasting holding time — proved by strict internal temperature test and customer verification, the function time can reach 96h~168h



Impact resistance. High toughness. High heat and cold resistance



Reusable — can be recycled and lower cost



100% performance testing



Independent temperature change — temperature adjustable, different PCM can be configured to meet the needs of different temperature ranges, one box, multipurpose



Customizable payload and size



Light weight. Nice appearance. Portable



Green and pollution-free

VIP insulation box adopts the extremely low thermal conductivity technology of VIP, which has excellent insulation ability, and the insulation time is longer than that of traditional PU, EPS and other incubators. With the same thermal insulation effect, the thickness is smaller and the weight is lighter. It is widely used in medicine, fresh food, air transport and item storage & transport under extreme conditions.



Refrigerated Truck



Fresh Food



Life Sciences



Standard Size

Type/Volume	MKL-12L	MKL-36L	MKL-64L
Payload(mm)	230*230*230	330*330*330	400*400*400
Inner Dimension(mm)	285*285*285	385*385*385	455*455*455
External Dimension(mm)	430*360*370	530*460*470	600*530*540

* Size and payload can be customized, tolerance : ±5mm.
* We can further protect VIP, paste protective or cushioning materials, wrap the bursting-resistant and wear-resistant materials obediently to meet the needs of special environments.

Optional Temperature Range

Constant Temperature	Normal Temperature	Refrigeration	Frozen	Dry Ice
15°C~25°C	10°C~30°C	2°C~8°C	-25°C~-15°C	-90°C~-60°C

Thermal Test (Partial)

-80°C~70°C Temperature Curve (Dry Ice)

