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THERMAL INSULATED PHARMACEUTICAL& MEDICAL BOX (TIPM)

TRANSPORTING TEMPERATURE-SENSITIVE DRUGS,BLOOD, VACCINE,HUMAN ORGANIC IN A NON-REFRIGERATED ENVIRONMENT HAS BEEN ONE OF THE BIGGEST CHALLENGES THE PHARMACEUTICAL & MEDICAL HAS FACED

Developed a range of High Performance (R value 5-60) Thermal Insulated box to keep things frozen for days all thermal insulated pharmaceutical box are consisted of Vacuum insulated Panel (VIP),polyurethane (PU), EPP ...and so on .

Thermal conductivity: 0.002 W/mK. ~R-60 per inch

Thermal Insulated Medical box material combination

Temperature Profile : 15°Cto 25°C | 2°C to 8°C | -15°C to -25 °C

- ◆ PP+PU + PP Duration time : last above 48-72hours (2°C to 8°C)
- ◆ PE+PU+PP Duration time : last above 48-72hours (2°C to 8°C)
- ◆ Polyester fabric+XPS Duration time : last above 24-48hours (2°C to 8°C)



Standard Size & Customized Size

Model	Internal Dimension (LxWxH)	External Dimension (LxWxH)	Capacity(L)	Time (2°C-8°C)
QY-TIPM7L	230x145x186mm	329x254x275mm	7	24-72H
QY-TIPM11L	325x175x225mm	400x245x305mm	11	24-72H
QY-TIPM13L	320X165X226mm	416X245X304mm	13	24-72H
QY-TIPM24L	375x210x270mm	476x350x355mm	24	24-72H
QY-TIPM30L	415x235x265mm	505x280x315mm	30	24-72H
QY-TIPM65L	535x335x320mm	595x395x430mm	65	24-72H
QY-TIPM105L	710x430x430mm	830x520x515mm	105	24-72H
QY-TIPM180L	920X480X370mm	1010x570x485mm	180	24-72H

THERMAL INSULATED PHARMACEUTICAL & MEDICAL BOX (TIPB)

VACUUM INSULATED PANEL (VIP) IS A NEW FORM OF THERMAL INSULATION FOLLOWING THE ADIABATIC PRINCIPLE FOR INSULATION, WITH A THERMAL CONDUCTIVITY OF AS LOW AS 0.0015W/M.K TO 0.0025 W/M. K.

Qiyao® Vacuum insulated boxes are composite of Vacuum insulated panels and external packing materials. All our vacuum insulated boxes are especially used in the cold-chain transportation of vaccine, medicine, chemical

reagent, Biological, fresh foods and etc. Various accessories is also available to suit different applications, such as insulating material, phase change material (PCM) cold pack, temperature indicator, Bluetooth printer, non-woven cooler bag, insulated box liner and etc.

Detachable vacuum insulated boxes

- ◆ Material Structure : PU/PU-VIP as insulation layer , PP Plastic box /nonwoven cooler bag as external material
- ◆ Fortable design ,detachable insulation ,foldable outer box
- ◆ Repairable and recyclable
- ◆ Easy to operate and carry
- ◆ Operating Environment : -30°C - 60°C
- ◆ Duration Time : 48-96Hours
- ◆ Temperature range : optional (10-20°C|2-8°C|-1-3°C|-15-25°C)



Intergrated vacuum insulated boxes

- ◆ Material Structure: PU/PU-VIP as insulation layer ,integrated foaming molding as outer layer
- ◆ Suitable for fixed size and insulated box requirement in bulk
- ◆ Operating environment : -30°C - 80°C
- ◆ Duration time : 24-120Hours
- ◆ Temperature range : optional (10-20°C|2-8°C|-1-3°C|-15-25°C)

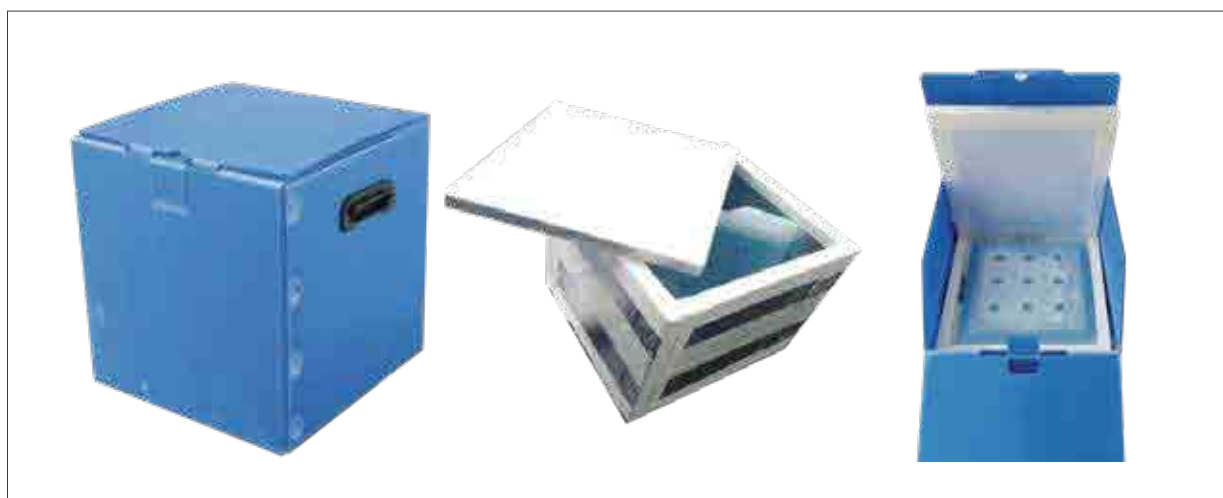


THERMAL INSULATED PHARMACEUTICAL & MEDICAL BOX (TIPB)

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Combined vacuum insulated boxes

- ◆ Material Structure: PU/PU-VIP as insulation layer ,
Surface Material/PP hollow sheet/honeycomb
sheet/EPP/PET as external material
- ◆ Excellent Insulation performance :more than
120hours duration time
- ◆ Customized size
- ◆ Operating Environment : -30°C - 80°C
- ◆ Duration Time : 24-120Hours
- ◆ Temperature range : optional (10-20°C|2-8°C|-1-3°C
|-15-25°C)



Standard Size & Customized Size

Model	Internal Dimension (LxWxH)	External Dimension (LxWxH)	Capacity(L)	Time (2°C-8°C)
QY-TIPM12L-V	140x290x290mm	170x320x320mm	12	48-120H
QY-TIPM16L-V	380x310x140mm	430x360x195mm	16	48-120H
QY-TIPM13L-V	222x295x200mm	332x405x310mm	13	48-120H
QY-TIPM30L-V	345x345x256mm	425x425x336mm	30	48-120H
QY-TIPM50L-V	368X368X368mm	468X468X468mm	50	48-120H
QY-TIPM66L-V	492x376x358mm	572x456x438mm	66	48-120H
QY-TIPM100L-V	540x490x375mm	630x615x615mm	100	48-120H

THERMAL INSULATED CARTON (TIC)

MULTIPLE RECYCLE THERMAL CARTON KEEP FRESH FOODS FRESHER FOR LONGER AND PERISHABLES COOLER WITH INSULATED BOXES; IDEAL PACKAGING REPLACEMENT FOR POLYSTYRENE/EPS.

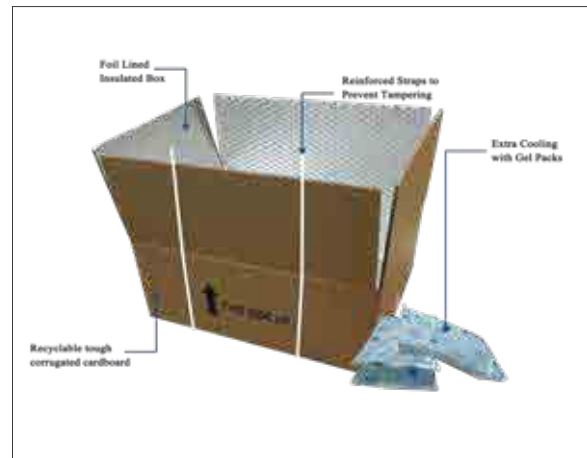
Qiyao® Reusable thermal carton & box have excellent thermal performance for your chilled ,fresh foods & temperature-sensitive ,perishable products during storage or transportation .

Thermal Carton & Box Features

- ◆ Light & Durable
- ◆ Keep 48-72 hours cool
- ◆ Used for cold storage & transportation
- ◆ Size & Color logo customized
- ◆ Eco friendly and recyclable

Thermal Carton & Box Materials

- ◆ Aluminum film bubble +corrugated box
- ◆ Aluminum film KT foam Kraft



Standard Size & Customized Size

Model	Internal Dimension (LxWxH)	External Dimension (LxWxH)
QY-TIC01	420*200*265mm	430*210*290mm
QY-TIC02	350*185*220mm	360*195*250mm
QY-TIC03	280*165*185mm	290*175*210mm
QY-TIC04	260*145*175mm	270*155*200mm
QY-TIC05	230*120*155mm	240*135*180mm
QY-TIC06	210*105*130mm	220*115*155mm

What are Insulated box?

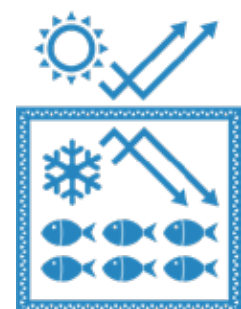
Specialized 'cool' thermal packaging and boxes that replace polystyrene, with increased strength, less bulk and are recyclable.

What are Insulated box made of?

Insulated box is made of corrugated paperboard and EPE foam/Bubble and aluminum foil, used food grade glue pasted together, waterproof and foldable.

How do Insulated box work?

The corrugated board provides airflow and a conductive layer of packaging, while the metalised polyester laminate reflects heat away and maintains coolness inside the package for longer





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