Technical product data sheet

va-Q-pad +05G EL (Article number: va-Q-pad +05G EL)

va-Q-tec
WE SOLVE THERMAL CHALLENGES

DESCRIPTION

Product description

Phase change materials, also known as latent heat storage materials, absorb heat during melting and release it again during crystallization/freezing. This allows the required storage temperature to be maintained for the duration of transport. Heat or cold entering the transport container is absorbed by the PCM during the phase transition from solid to liquid and vice versa.

FEATURES

While the use of water is limited by its melting point of 0°C, the va-Q-accus operate within a standard temperature range of -67°C to +70°C through the use of special paraffines and salts. In addition, there are other customer-specific solutions. In general, the innovative PCM technology allows the use of a universal accu configuration and pack-out for all seasons and climatic zones. Possible areas of application are the temperature control of pharmaceuticals, biotech products, blood preserves, etc.

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PROPERTIES

Shell material	PA/PE
Closure	sealed blister / cardboard box
Color	blue
Filling	gelled phase change material
Latent heat	≥ 200 kJ/kg
Flash point	≥ +113 °C
Density	0.76 g/cm³
Melting range	+3.0 °C to +7.0 °C
Freezing range	+5.0 °C to +2.0 °C
Physical state	gelled
Application area	+2.0 °C to +8.0 °C
Recommended storage temperature	+15 °C to +25 °C
Temperature resistance	-40 °C to +50 °C

TEST STANDARDS

Our va-Q-accus are subjected to standardized and customized testing procedures to confirm their unique properties.

DIMENSIONS AND WEIGHT

Designation	Length [mm]	Width [mm]	Thickness [mm]
va-Q-pad +05G EL 20204	200 ± 2	200 ± 2	39 ± 1
va-Q-pad +05G EL 23233	225 ± 2	225 ± 2	29 ± 1
va-Q-pad +05G EL 34242	335 ± 1	243 ± 1	19 ± 1
va-Q-pad +05G EL 34342	335 ± 2	335 ± 2	19 ± 1
va-Q-pad +05G EL 44342	435 ± 2	335 ± 2	19 ± 1

Other temperature battery sizes and filling weights available on request

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Legal Disclaimer

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