



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.

PROPERTIES

Shell material	PA/PE
Closure	sealed blister
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-gel 19194 +05G	194	194	39
va-Q-gel 22223 +05G	219	219	29
va-Q-gel 33242 +05G	329	241	19
va-Q-gel 33332 +05G	329	329	19

Other temperature battery sizes and filling weights available on request

Legal Disclaimer

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