

Precision in Temperature



PCM -16C3

PCM Description	Organic Base	
Specific Gravity @ 15 °C	1.1379	
Heat of Fusion	329 – 337	kJ / kg
Melting Temperature	-16 – -15	°C

Thermal Properties Three Layer Calorimeter (3LC)

Peak Melting Temperature	-15 (5)	°C (°F)
Total Heat Capacity, Melting*	337	kJ / kg
Peak Crystallization Temperature	-18 (-0.5)	°C (°F)
Total Heat Capacity, Crystallization*	329	kJ / kg

*Total heat capacity includes both latent heat and sensible heat.

Handling and Storage:

- ThermaBrick® Refrigerant Bricks must remain tightly closed. Store at a temperature between 5 – 30 °C (41 – 86 °F).
- Store in accordance with local regulations. Store in the original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials and food and drink. Do not store in unlabeled containers. Reference the Safety Data Sheet for additional information on Storage and Handling.
- For Professional use only.
- **Classification of the substance or mixture:** Not a hazardous substance or mixture.
- Intended use: Safe transport of blood, therapeutic drugs, vaccines, and chemicals.
- Do not puncture, tear, or rupture. Temprecision International considers this product an article. The article is not intended to be removed from the packaging. Misuse of this article may result in exposure to hazardous chemicals.

Disclaimer:

- Product information provided is designed to be used as a planning aid and is nonbinding. Subject to technical changes without notice.
- The preceding data is based on tests and experience, which Temprecision International believes reliable and is supplied for informational purposes only. Temprecision International expressly disclaims any liability whatsoever for damage or injury that results from the use of the preceding data, and nothing contained therein shall constitute a guarantee, warranty, or representation (including freedom from patent liability) by Temprecision International with respect to the data, the product described, or its fitness for use for any specific purpose, even if that purpose is known to Temprecision International. For detailed safety and handling information regarding these products, please refer to the respective Temprecision International Safety Data Sheet.

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