

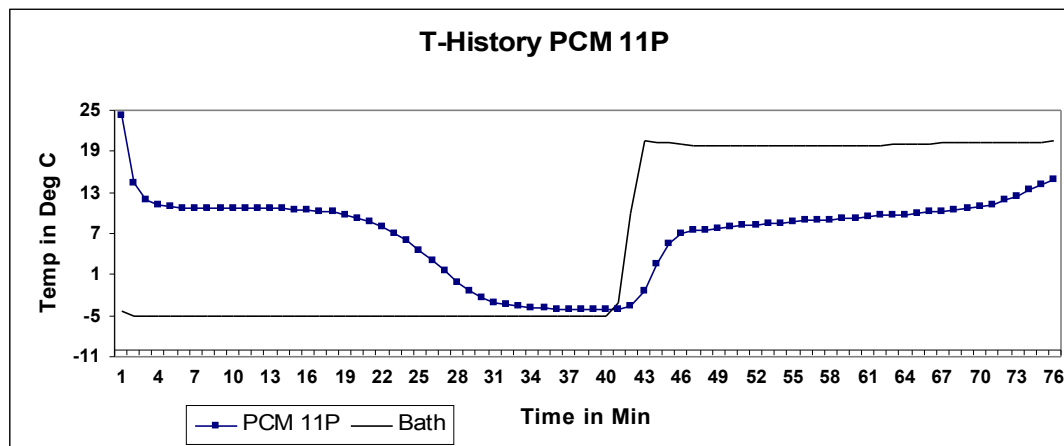
## TECHNICAL DATA SHEET

PCM OM11P has a freezing temperature of ~10.5 °C, a temperature that makes it ideal for many cold energy applications. Some of its salient features include:

- The PCM is chemically and thermally stable by using proprietary additives
- It is non-toxic

### Technical Specification:

Series : PCM OM11P  
 Description : Mixture of organic materials  
 Appearance : Colorless liquid



A 25g sample is taken in a test tube in molten condition and placed in a temperature controlled bath. A temperature sensor is placed in the test tube and bath to record the temperatures using a data logger. The bath is maintained at -5 °C during the freezing cycle and at 20 °C during the melting cycle.

Property	Value	Test Method	Test Conditions (if any)
Melting Temp. (°C)	10.9	T - History	at 20 °C
Freezing Temp. (°C)	10.5	T - History	at -5 °C
Liquid Density (kg/m <sup>3</sup> )	1060	ASTM D891-95	at 32 °C
Latent Heat (kJ/kg)	260	Calorimetry	-
Congruent Melting	Yes	-	-
Sub Cooling	No	T-History	-
Thermal Stability (cycles)	**	Internal	-
Max. Operating Temp. (°C)	~80	-	-

\*\* - Under testing