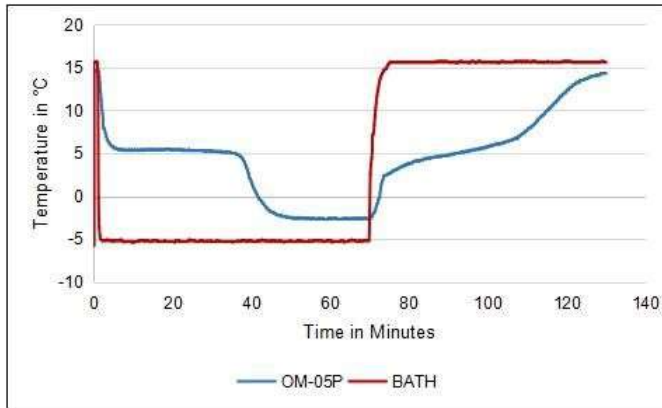


TECHNICAL SPECIFICATION

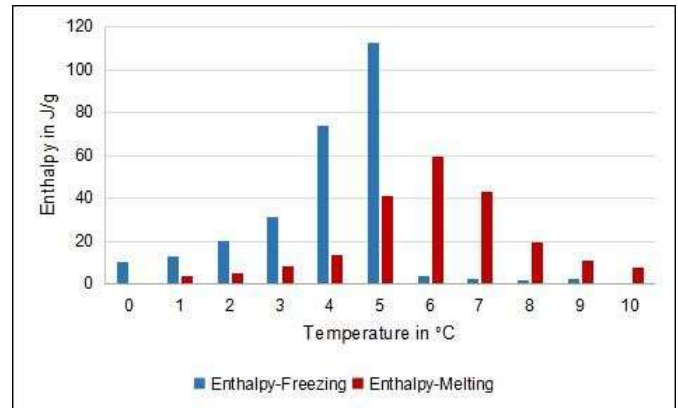
Product: PCM-OM05P
Description: Organic phase change material
Appearance: Transparent liquid @25°C

T-HISTORY TEST

Phase transition temperature range and stored thermal energy*



Temperature vs time curve



Enthalpy vs temperature curve

Property	Value**	Test method	Test conditions (if any)
Phase transition temperature			
Melting	5°C	T-History	@ 15°C Air bath
Freezing	5°C	T-History	@ -5°C Liquid bath
Latent heat			
Melting	213 kJ/kg	T-History	@ 0 to 10 °C
Freezing	271 kJ/kg	T-History	@ 10 to 0 °C
Density			
Liquid	763 kg/m ³	ASTM D891-95	@ 30 °C
Solid	727 kg/m ³	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	5.95 kJ/kgK	T-History	@ 30 °C
Solid	3.86 kJ/kgK	T-History	@ 0 °C
Thermal conductivity			
Liquid	0.12 W/mK	KD2Pro	@ 30 °C
Solid	0.13 W/mK	KD2Pro	@ 0 °C
Number of cycles tested	~2000	Internal	
Maximum operating temperature	90 °C		
Flammability	Yes		
Flash Point	200 °C		

* Determined by T-history

**Nominal Values. Actual values mentioned in batch test certificate.