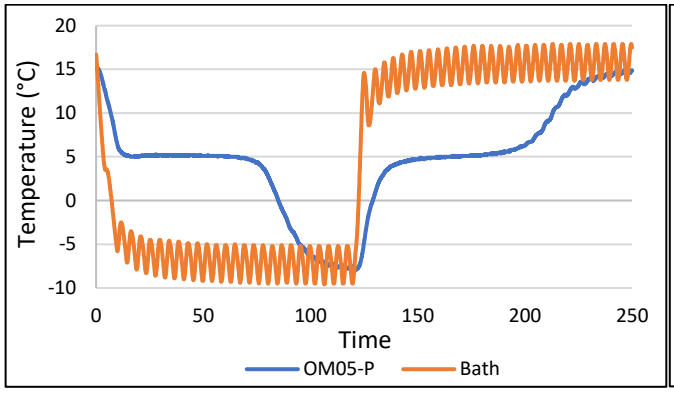
TECHNICAL DATA SHEET OF savE® OM05-P

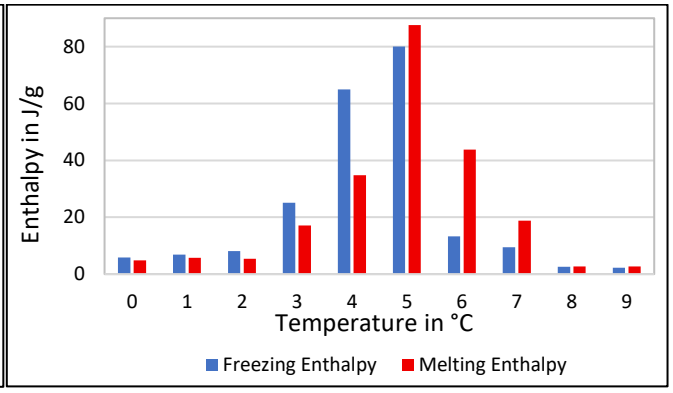
Technical specification:

Product	:	*savE*® OM05-P
Description	:	Organic phase change material
Appearance	:	Clear transparent liquid @ 25°C

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	6 °C	PLUSS® T-History	@ 15 °C Air bath
Freezing	5 °C	PLUSS® T-History	@ -10 °C Air bath
Nucleation temperature	5 °C	PLUSS® T-History	@ -10 °C Air bath
Latent heat/enthalpy			
Melting	220 kJ/kg	PLUSS® T-History	@ 0 to 9 °C
Freezing	215 kJ/kg	PLUSS® T-History	@ 9 to 0 °C
Density			
Liquid	763 kg/m^3	ASTM D891-95	@ 30 °C
Solid	810 kg/m^3	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	1.82 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	2.05 kJ/kgK	PLUSS® 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	PLUSS® Internal	
Maximum Operating Temperature	80 °C		
Flammability	Yes		
Flash point	100 °C		

* Determined by T-history
**Nominal Values. Actual values mentioned in test certificate.
Compatibility data available on request.

Pluss Advanced Technologies Ltd
B-205, Tower B – Pioneer Urban Square, Sec 62, Gurugram-122101, Haryana, India
Telephone: +91 - 124 - 4309490/91/92
E-mail: info@pluss.co.in | Web: www.pluss.co.in

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