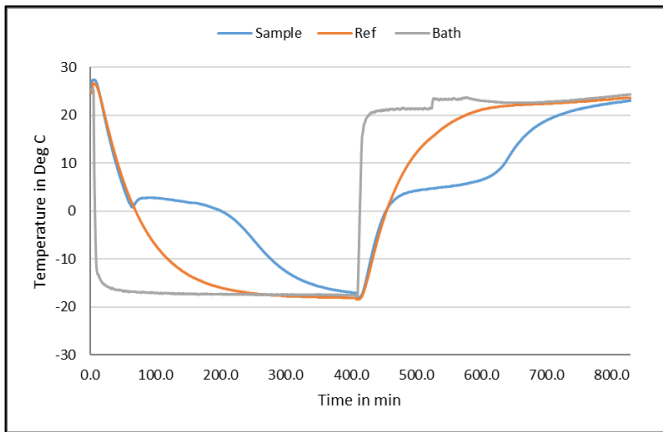


TECHNICAL DATA SHEET OF savE® FS03

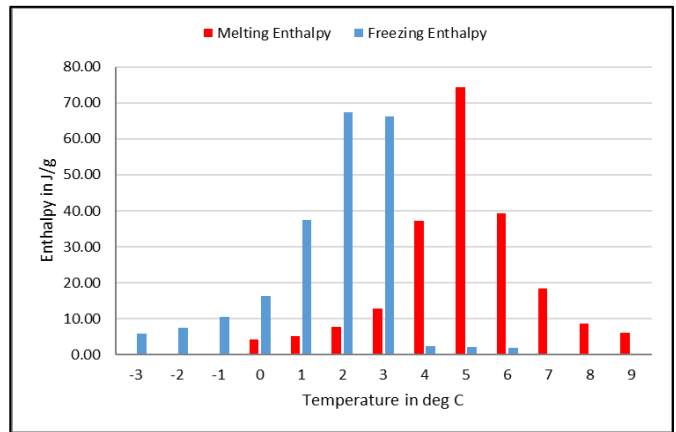
Technical specification:

Product : savE® FS03
 Description : Form stable phase change material – liquid PCM embedded in polymer matrix
 Appearance : Transparent gel @25 °C

Phase transition temperature range and stored thermal energy*



Temperature Vs time curve



Enthalpy vs temperature curve

	Value**	Test method	Test conditions (if any)
Phase transition temperature			
Melting	5.0 °C	PLUSS® T-History	@ 23 °C Liquid bath
Freezing	3.0 °C	PLUSS® T-History	@ -17 °C Liquid bath
Latent heat/enthalpy			
Melting	214 kJ/kg	PLUSS® T-History	@ 0 to 9 °C
Freezing	217 kJ/kg	PLUSS® T-History	@ -3 to 6 °C
Density			
Liquid	NA		
Solid	854 kg/m ³	ASTM D891-95	@ 25 °C
Specific heat			
Liquid	2.0 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	2.2 kJ/kgK	PLUSS® T-History	@ -5 °C
Thermal conductivity			
Liquid	NA		
Solid	0.15 W/mK	KD2Pro	@ -10 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum Operating Temperature	120 °C		
Flammability	Yes		
Flash point	140 °C		

* Determined by T-history

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

Compatibility data available on request.

PCM is available in bulk, pouches or in containers of choice (Refer to Document [301_PCM Encapsulation](#)).

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PLUSS-TDS-DOC-231 Version no.-R1, 03-Dec-2023

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