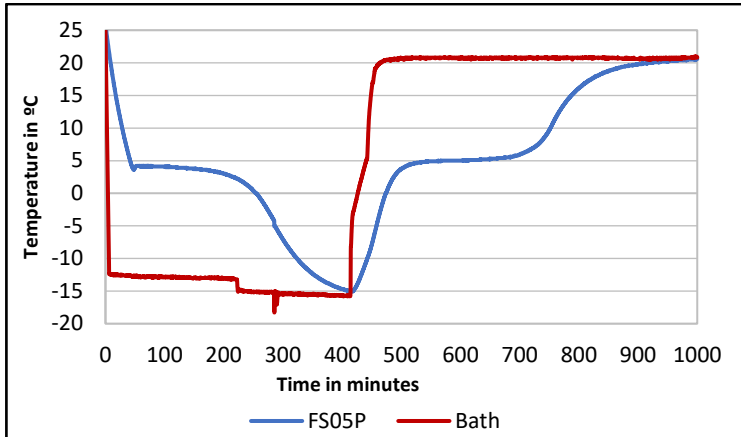


TECHNICAL DATA SHEET OF savE® FS05-P

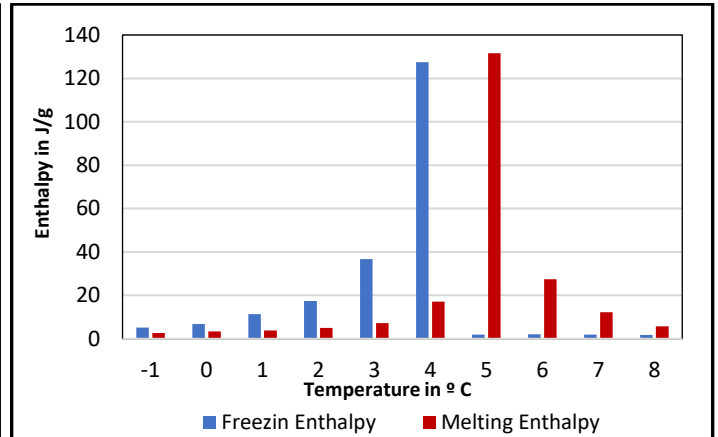
Technical specification:

Product : savE® FS05-P
 Description : Form stable organic phase change material
 Appearance : Translucent sheet @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	5 °C	PLUSS® T-History	@ 20°C Liquid bath
Freezing	4 °C	PLUSS® T-History	@ -15°C Liquid bath
Latent heat/enthalpy			
Melting	217 kJ/kg	PLUSS® T-History	@ -1 to 8 °C
Freezing	213 kJ/kg	PLUSS® T-History	@ 8 to -1 °C
Density			
Liquid	Not Applicable		
Solid	628 kg/m ³	ASTM D891-95	@ -20 °C
Specific heat			
Liquid	2.2 kJ/kgK	PLUSS® T-History	@ 20 °C
Solid	3.2 kJ/kgK	PLUSS® T-History	@ -15 °C
Thermal conductivity			
Liquid	0.123 W/mK	KD2Pro	@ 35 °C
Solid	0.136 W/mK	KD2Pro	@ 5 °C
Number of cycles tested	~	PLUSS® Internal	
Maximum operating temperature	70 °C		
Flammability	No		

* 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-105 Version no.-R0, 26-June-2023

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