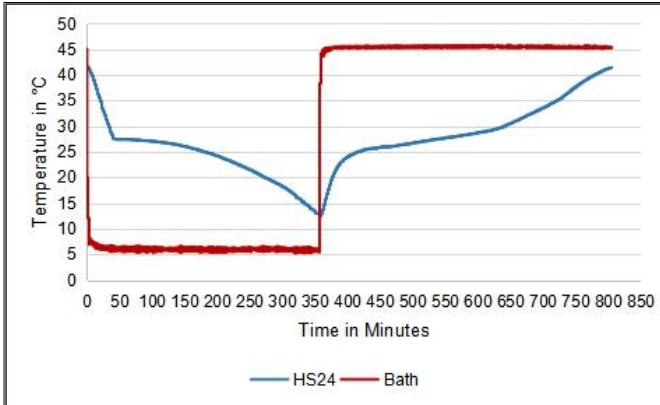


TECHNICAL DATA SHEET OF savE® HS24

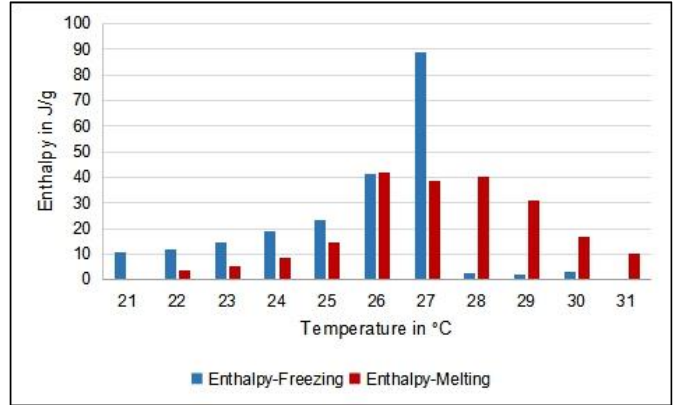
Technical specification:

Product	:	savE® HS24
Description	:	Inorganic phase change material
Appearance	:	Pale viscous liquid suspension @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	26 °C	PLUSS® T-History	@ 34 °C Liquid bath
Freezing	27 °C	PLUSS® T-History	@ 14 °C Liquid bath
Nucleation temperature	24 °C	PLUSS® T-History	@ 14 °C Liquid bath
Latent heat/enthalpy			
Melting	212 kJ/kg	PLUSS® T-History	@ 21 to 31 °C
Freezing	218 kJ/kg	PLUSS® T-History	@ 31 to 21 °C
Density			
Liquid	1510 kg/m ³	ASTM D891-95	@ 30 °C
Solid	1621 kg/m ³	ASTM D891-95	@ 15 °C
Specific heat			
Liquid	2.42 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	2.07 kJ/kgK	PLUSS® T-History	@ 15 °C
Thermal conductivity			
Liquid	0.55 W/mK	KD2Pro	@ 30 °C
Solid	1.05 W/mK		@ 15 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	No		

* Determined by T-history

**Nominal Valu[es]. 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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Doc 075_PCM_HS24_TDS Version no.-R0,15-Feb-2022

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