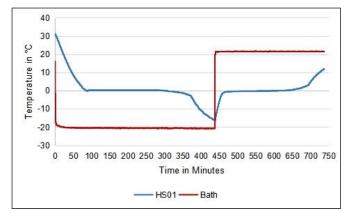
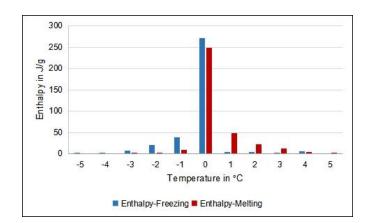
TECHNICAL DATA SHEET OF savE® HS01

Technical specification:

Product	:	sav <i>E</i> [®] HS01
Description	:	Inorganic phase change material
Appearance	:	Light blue to dark blue colored liquid with brown suspended particles @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 Freezing Nucleation temperature	2° 0 ⊃° 0 ⊃° 0	PLUSS [®] T-History PLUSS [®] T-History PLUSS [®] T-History	 @ 11°C Liquid bath @ -10°C Liquid bath @ -10°C Liquid bath
Latent heat/enthalpy Melting Freezing	359 kJ/kg 364 kJ/kg	PLUSS [®] T-History PLUSS [®] T-History	@ -5 to 5 ℃ @ 5 to -5 ℃
Density Liquid Solid	1010 kg/m ³ 924 kg/m ³	ASTM D891-95 ASTM D891-95	@ 30 °C @ -20 °C
Specific heat Liquid Solid	3.9 kJ/kgK 2.0 kJ/kgK	PLUSS [®] T-History PLUSS [®] T-History	@ 30 °C @ -10 °C
Thermal conductivity Liquid Solid	0.55 W/mK 2.20 W/mK	KD2Pro KD2Pro	@ 30 °C @ -10 °C
Number of cycles tested	~3000	PLUSS [®] Internal	
Maximum operating temperature	90 °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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