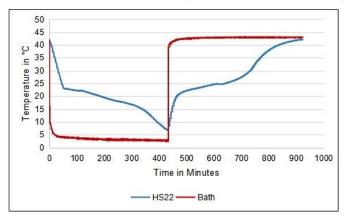
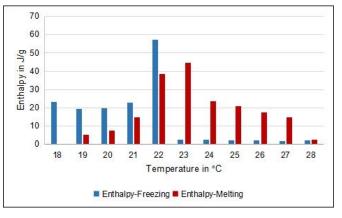
TECHNICAL DATA SHEET OF savE® HS22

Technical specification:

Product	:	savE [®] HS22
Description	:	Inorganic phase change material
Appearance	:	Brown / grey colored 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 Freezing Nucleation temperature	23 °C 22 °C 21 °C	PLUSS [®] T-History PLUSS [®] T-History PLUSS [®] T-History	 @ 32 °C Liquid bath @ 12 °C Liquid bath @ 12 °C Liquid bath
Latent heat/enthalpy Melting Freezing	190 kJ/kg 162 kJ/kg	PLUSS [®] T-History PLUSS [®] T-History	@ 18 to 28 °C @ 28 to 18 °C
Density Liquid Solid	1540 kg/m ³ 1651 kg/m ³	ASTM D891-95 ASTM D891-95	@ 30 °C @ 0 °C
Specific heat	·		
Liquid	2.53 kJ/kgK	PLUSS [®] T-History	@ 31 °C
Solid	2.27 kJ/kgK	PLUSS [®] T-History	O° 0 @
Thermal conductivity			
Liquid	0.56 W/mK	KD2Pro	@ 30 °C
Solid	1.13 W/mK	KD2Pro	@ 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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