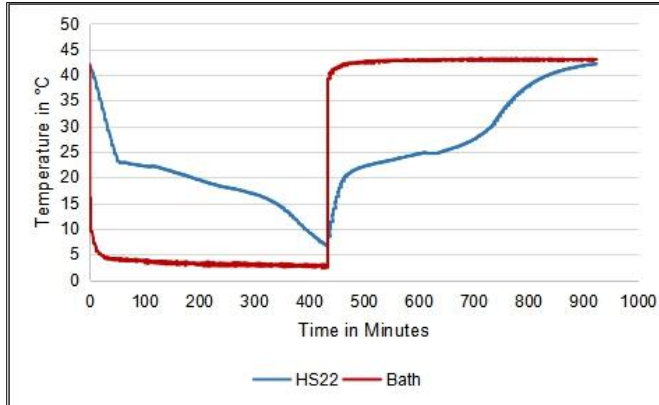


TECHNICAL DATA SHEET OF savE® HS22

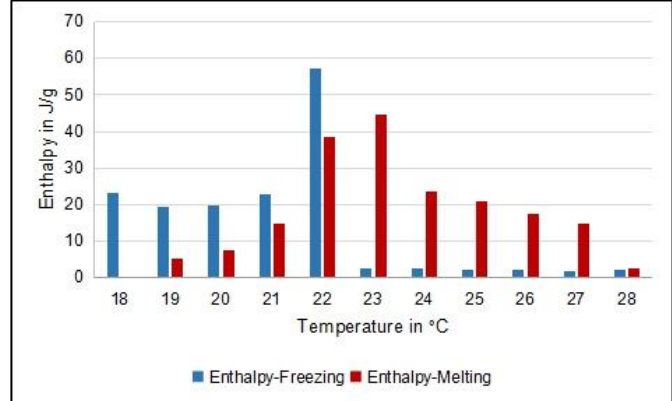
Technical specification:

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	23 °C	PLUSS® T-History	@ 32 °C Liquid bath
Freezing	22 °C	PLUSS® T-History	@ 12 °C Liquid bath
Nucleation temperature	21 °C	PLUSS® T-History	@ 12 °C Liquid bath
Latent heat/enthalpy			
Melting	190 kJ/kg	PLUSS® T-History	@ 18 to 28 °C
Freezing	162 kJ/kg	PLUSS® T-History	@ 28 to 18 °C
Density			
Liquid	1540 kg/m ³	ASTM D891-95	@ 30 °C
Solid	1651 kg/m ³	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	2.53 kJ/kgK	PLUSS® T-History	@ 31 °C
Solid	2.27 kJ/kgK	PLUSS® T-History	@ 0 °C
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	40 °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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