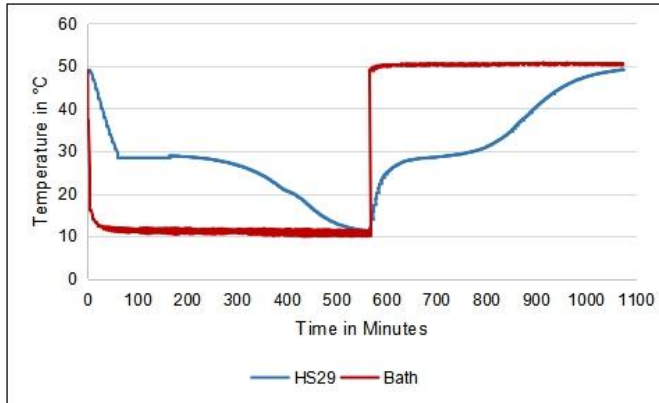


TECHNICAL DATA SHEET OF savE® HS29

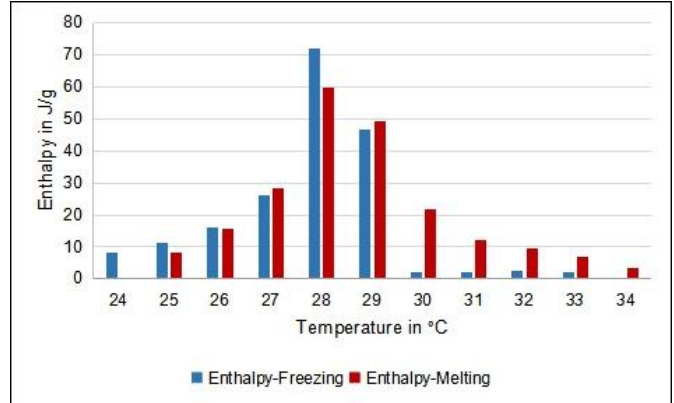
Technical specification:

Product : savE® HS29
 Description : Inorganic phase change material
 Appearance : Off-white to pale yellow solid @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	29 °C	PLUSS® T-History	@ 39 °C Liquid bath
Freezing	28 °C	PLUSS® T-History	@ 19 °C Liquid bath
Nucleation temperature	27 °C	PLUSS® T-History	@ 19 °C Liquid bath
Latent heat/enthalpy			
Melting	214 kJ/kg	PLUSS® T-History	@ 24 to 34 °C
Freezing	190 kJ/kg	PLUSS® T-History	@ 34 to 24 °C
Density			
Liquid	1530 kg/m ³	ASTM D891-95	@ 39 °C
Solid	1681 kg/m ³	ASTM D891-95	@ 20 °C
Specific heat			
Liquid	2.62 kJ/kgK	PLUSS® T-History	@ 40 °C
Solid	1.51 kJ/kgK	PLUSS® T-History	@ 20 °C
Thermal conductivity			
Liquid	0.382 W/mK	KD2Pro	@ 30 °C
Solid	0.478 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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