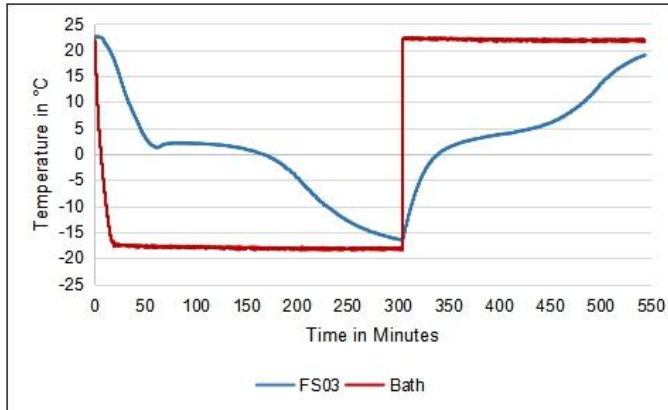


TECHNICAL DATA SHEET OF savE® FS03

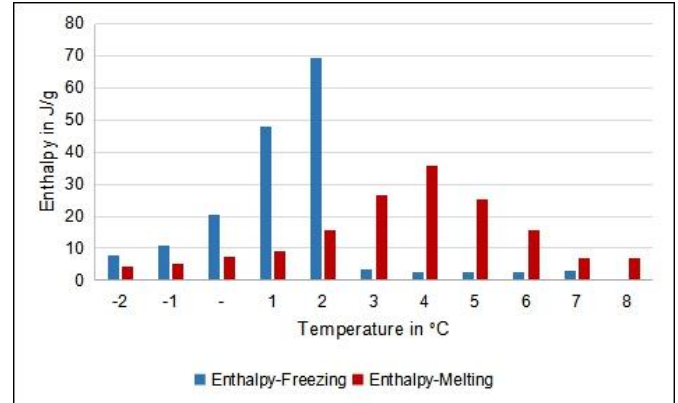
Technical specification:

Product	:	savE® FS03
Description	:	Form stable phase change material – liquid PCM embedded in polymer matrix
Appearance	:	Transparent gel @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	4.0 °C	PLUSS® T-History	@ 13 °C Liquid bath
Freezing	2.0 °C	PLUSS® T-History	@ -7 °C Liquid bath
Latent heat/enthalpy			
Melting	170 kJ/kg	PLUSS® T-History	@ -2 to 8 °C
Freezing	NA		
Density			
Liquid	NA		
Solid	860 kg/m ³	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	2.23 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	2.49 kJ/kgK	PLUSS® T-History	@ -5 °C
Thermal conductivity			
Liquid	0.16 W/mK	KD2Pro	@ 30 °C
Solid	0.22 W/mK	KD2Pro	@ -10 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum Operating Temperature	120 °C		
Flammability	Yes		
Flash point	140 °C		

* 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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