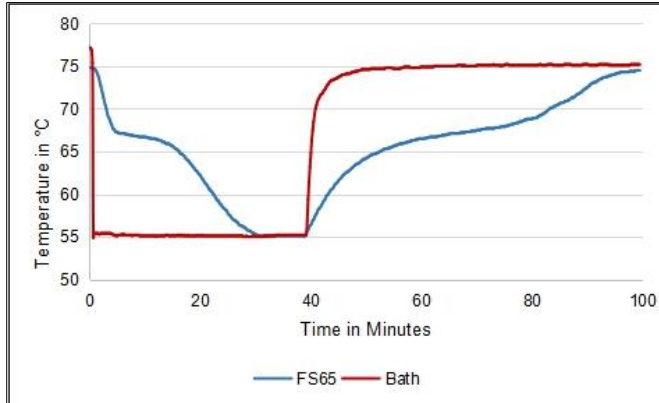


TECHNICAL DATA SHEET OF savE® FS65

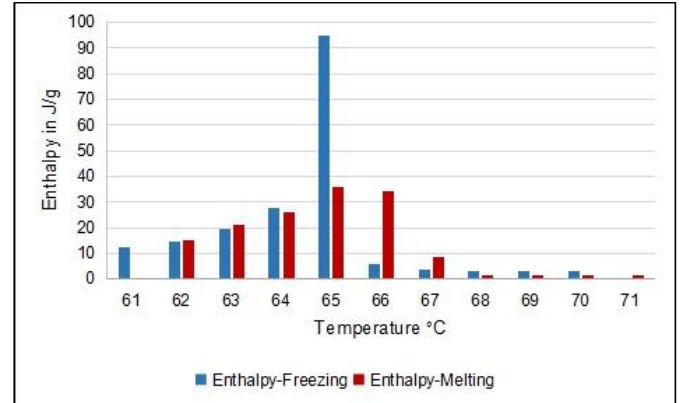
Technical specification:

Product	:	savE® FS65
Description	:	Form stable phase change material – liquid PCM embedded in polymer matrix
Appearance	:	Black 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	66 °C	PLUSS® T-History	@ 75 °C Liquid bath
Freezing	66 °C	PLUSS® T-History	@ 55 °C Liquid bath
Latent heat/enthalpy			
Melting	159 kJ/kg	PLUSS® T-History	@ 61 to 71 °C
Freezing	188 kJ/kg	PLUSS® T-History	@ 71 to 61 °C
Density			
Solid	842 kg/m ³	ASTM D891-95	@ 30°C
Liquid	NA		
Specific heat			
Liquid	2.16 kJ/kgK	PLUSS® T-History	@ 70°C
Solid	2.54 kJ/kgK	PLUSS® T-History	@ 50°C
Thermal conductivity			
Liquid	NA		
Solid	0.25 W/mK	KD2Pro	@ 30 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	Yes		
Flash point	200 °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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