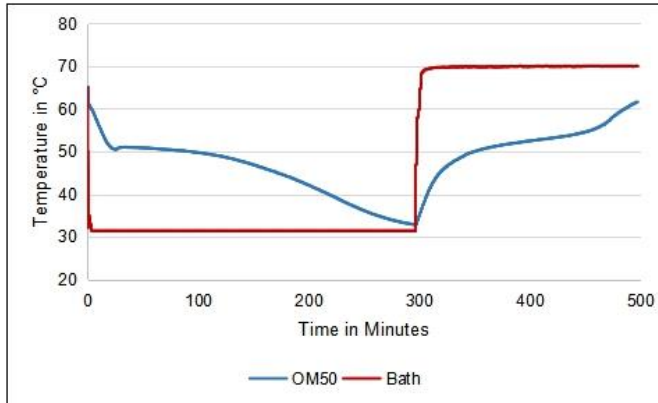


TECHNICAL DATA SHEET OF savE® OM50

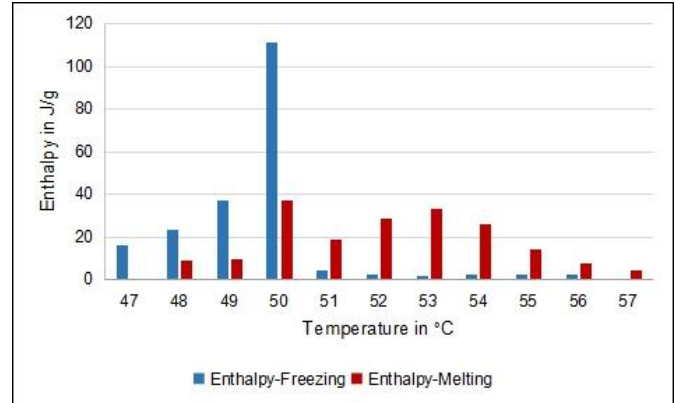
Technical specification:

Product : savE® OM50
 Description : Organic phase change material
 Appearance : White color waxy 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	50 °C	PLUSS® T-History	@ 60 °C Air bath
Freezing	50 °C	PLUSS® T-History	@ 40 °C Liquid bath
Latent heat/enthalpy			
Melting	189 kJ/kg	PLUSS® T-History	@ 47 to 57 °C
Freezing	204 kJ/kg	PLUSS® T-History	@ 57 to 47 °C
Density			
Liquid	859 kg/m ³	ASTM D891-95	@ 60 °C
Solid	961 kg/m ³	ASTM D891-95	@ 30 °C
Specific heat			
Liquid	2.78 kJ/kgK	PLUSS® T-History	@ 60 °C
Solid	3.33 kJ/kgK	PLUSS® T-History	@ 30 °C
Thermal conductivity			
Liquid	0.14 W/mK	KD2Pro	@ 60 °C
Solid	0.21 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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