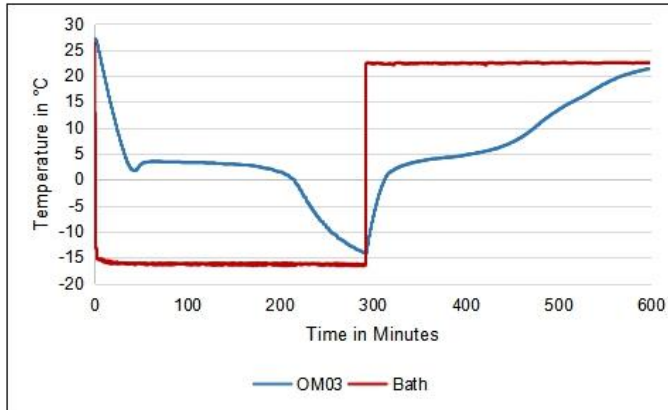


TECHNICAL DATA SHEET OF savE® OM03

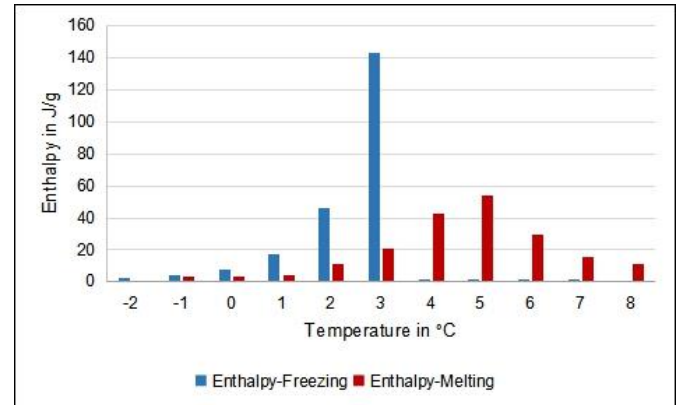
Technical specification:

Product : savE® OM03
 Description : Organic phase change material
 Appearance : Clear 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	5 °C	PLUSS® T-History	@ 13 °C Air bath
Freezing	3 °C	PLUSS® T-History	@ -7 °C Liquid bath
Latent heat/enthalpy			
Melting	196 kJ/kg	PLUSS® T-History	@ -2 to 8 °C
Freezing	228 kJ/kg	PLUSS® T-History	@ 8 to -2 °C
Density			
Liquid	835 kg/m ³	ASTM D891-95	@ 30 °C
Solid	912 kg/m ³	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	1.91 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	1.76 kJ/kgK	PLUSS® T-History	@ -10 °C
Thermal conductivity			
Liquid	0.146 W/mK	KD2Pro	@ 30 °C
Solid	0.224 W/mK	KD2Pro	@ -5 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °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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