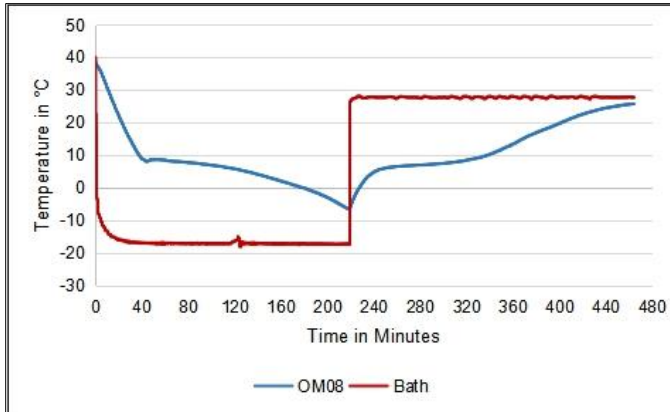


TECHNICAL DATA SHEET OF savE® OM08

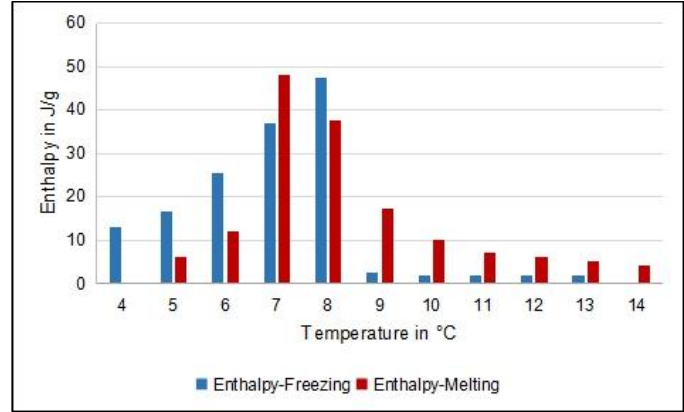
Technical specification:

Product	:	savE® OM08
Description	:	Organic phase change material
Appearance	:	Clear to pale yellow 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	7 °C	PLUSS® T-History	@ 18 °C Air bath
Freezing	8 °C	PLUSS® T-History	@ -2 °C Liquid bath
Latent heat/enthalpy			
Melting	154 kJ/kg	PLUSS® T-History	@ 4 to 14 °C
Freezing	150 kJ/kg	PLUSS® T-History	@ 14 to 4 °C
Density			
Liquid	1020 kg/m ³	ASTM D891-95	@ 30 °C
Solid	1190 kg/m ³	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	2.11 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	1.71 kJ/kgK	PLUSS® T-History	@ 0 °C
Thermal conductivity			
Liquid	0.118 W/mK	KD2Pro	@ 30 °C
Solid	0.235 W/mK	KD2Pro	@ -5 °C
Number of cycles tested	~1500	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	Yes		
Flash Point	110 °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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