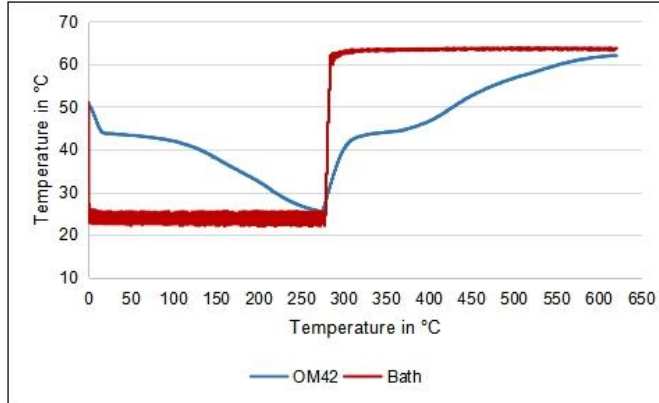


TECHNICAL DATA SHEET OF savE® OM42

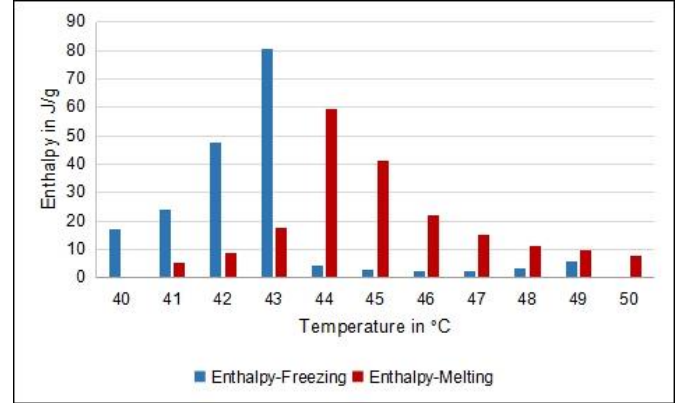
Technical specification:

Product	:	savE® OM42
Description	:	Organic phase change material
Appearance	:	White 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	44 °C	PLUSS® T-History	@ 52 °C Air bath
Freezing	43 °C	PLUSS® T-History	@ 32 °C Liquid bath
Latent heat/enthalpy			
Liquid	199 kJ/kg	PLUSS® T-History	@ 40 to 50 °C
Solid	190 kJ/kg	PLUSS® T-History	@ 50 to 40 °C
Density			
Liquid	863 kg/m ³	ASTM D891-95	@ 50 °C
Solid	903 kg/m ³	ASTM D891-95	@ 30 °C
Specific heat			
Liquid	2.78 kJ/kgK	PLUSS® T-History	@ 55 °C
Solid	2.71 kJ/kgK	PLUSS® T-History	@ 30 °C
Thermal conductivity			
Liquid	0.10 W/mK	KD2Pro	@ 70 °C
Solid	0.19 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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