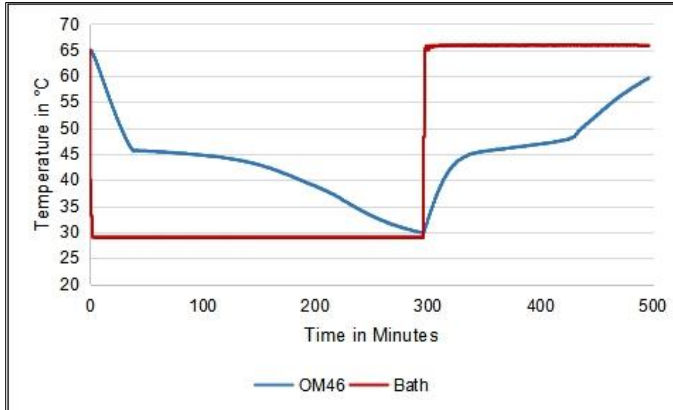


TECHNICAL DATA SHEET OF savE® OM46

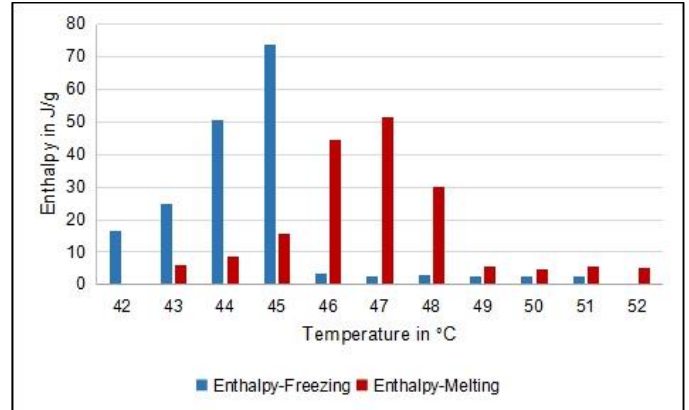
Technical Specification:

Product	:	savE® OM46
Description	:	Organic phase change material
Appearance	:	White 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	47 °C	PLUSS® T-History	@ 34 °C Liquid bath
Freezing	45 °C		@ 14 °C Liquid bath
Nucleation temperature	45 °C		@ 14 °C Liquid bath
Latent heat/enthalpy			
Melting	177 kJ/kg	PLUSS® T-History	@ 42 to 52 °C
Freezing	182 kJ/kg		@ 51 to 42 °C
Density			
Liquid	880 kg/m ³	ASTM D891-95	@ 55 °C
Solid	917 kg/m ³	ASTM D891-95	@ 30 °C
Specific heat			
Liquid	2.7 kJ/kgK	PLUSS® T-History	@ 50 °C
Solid	2.5 kJ/kgK		@ 30 °C
Thermal conductivity			
Liquid	0.1 W/mK	KD2Pro	@ 60 °C
Solid	0.2 W/mK		@ 30 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	No		

* 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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