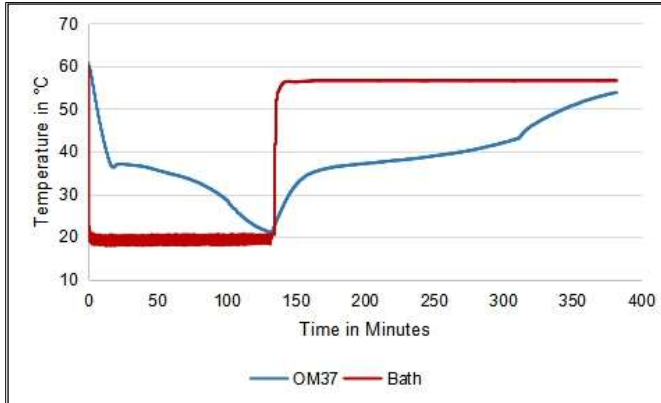


TECHNICAL DATA SHEET OF savE® OM37

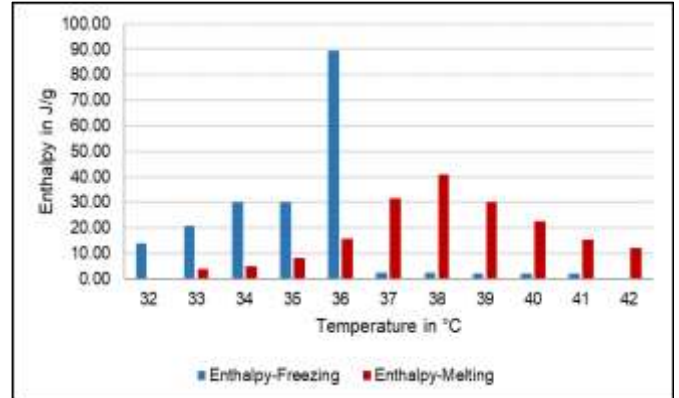
Technical specification:

Product : savE® OM37
 Description : Organic phase change material
 Appearance : White waxy flakes @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	38 °C	PLUSS® T-History	@ 34 °C Liquid bath
Freezing	36 °C		@ 14 °C Liquid bath
Nucleation temperature	36 °C		@ 14 °C Liquid bath
Latent heat/enthalpy			
Melting	186 kJ/kg	PLUSS® T-History	@ 32 to 42 °C
Freezing	196 kJ/kg		@ 42 to 32 °C
Density			
Liquid	860 kg/m ³	ASTM D891-95	@ 47 °C
Solid	973 kg/m ³	ASTM D891-95	@ 30 °C
Specific heat			
Liquid	2.63 kJ/kgK	PLUSS® T-History	@ 47 °C
Solid	2.55 kJ/kgK		@ 30 °C
Thermal conductivity			
Liquid	0.13 W/mK	KD2Pro	@ 50 °C
Solid	0.16 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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