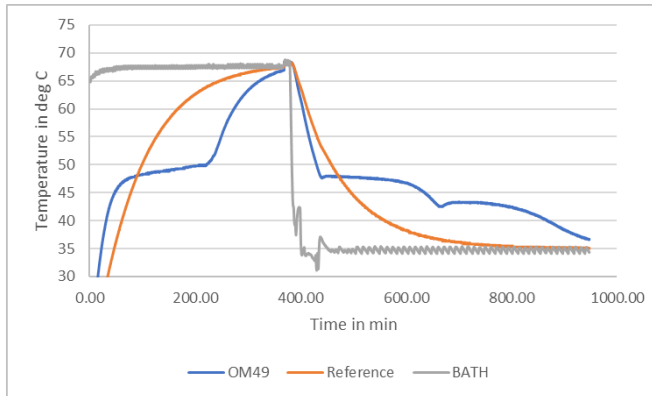


TECHNICAL DATA SHEET OF savE® OM49

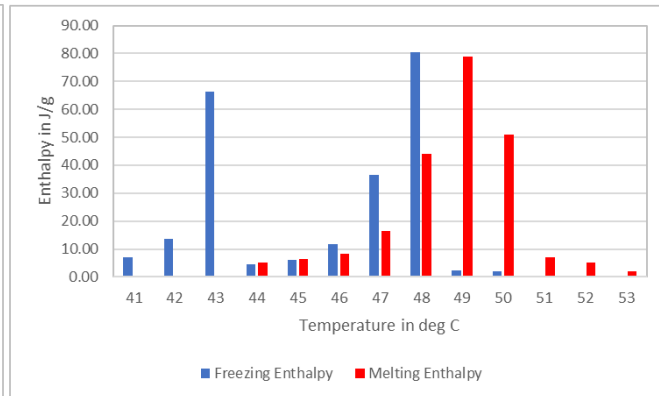
Technical specification:

Product : savE® OM49
 Description : Organic phase change material
 Appearance : White flakes at 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	49 °C	PLUSS® T-History	@ 70 °C Air bath
Freezing	48 °C and 43 °C	PLUSS® T-History	@ 30 °C Air bath
Latent heat/enthalpy			
Melting	224 kJ/kg	PLUSS® T-History	@ 44 to 53 °C
Freezing	230 kJ/kg	PLUSS® T-History	@ 50 to 41 °C
Density			
Liquid	780 kg/m ³	ASTM D891-95	@ 70 °C
Solid	816 kg/m ³	ASTM D891-95	@ 25 °C
Specific heat			
Liquid	2.4 kJ/kgK	PLUSS® T-History	@ 70 °C
Solid	2.1 kJ/kgK	PLUSS® T-History	@ 30 °C
Thermal conductivity			
Liquid	0.27 W/mK	ASTM D7984	@ 60 °C
Solid	0.33 W/mK	ASTM D7984	@ 10 °C
Number of cycles tested	1200	PLUSS® Internal	
Maximum operating temperature	100 °C		
Flammability	No		

* Determined by T-history

**Nominal Values. 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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