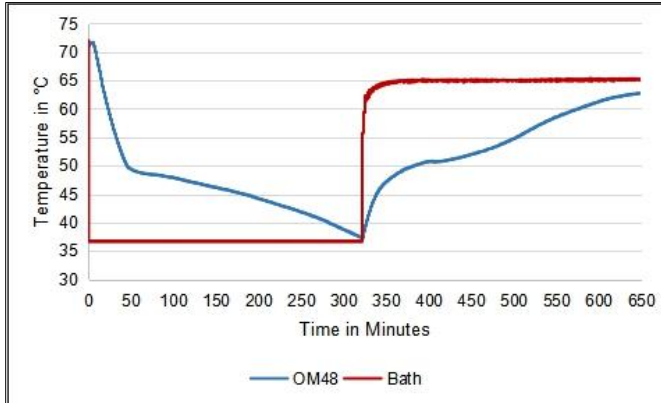


# TECHNICAL DATA SHEET OF savE® OM48

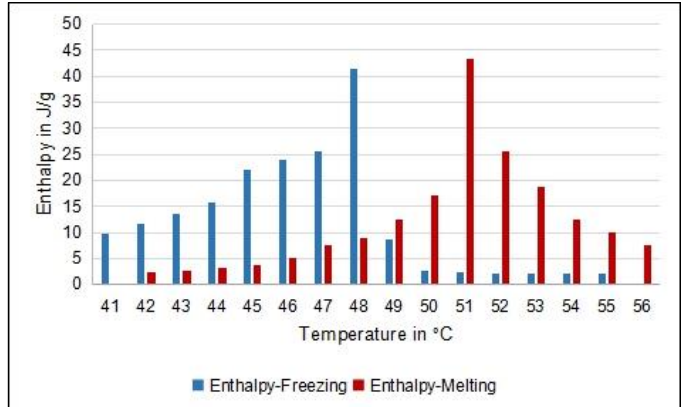
## Technical specification:

Product	:	savE® OM48
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	51 °C	PLUSS® T-History	@ 58 °C Air bath
Freezing	48 °C	PLUSS® T-History	@ 38 °C Liquid bath
Latent heat/enthalpy			
Melting	165 kJ/kg	PLUSS® T-History	@ 46 to 56 °C
Freezing	172 kJ/kg	PLUSS® T-History	@ 51 to 41 °C
Density			
Liquid	875 kg/m <sup>3</sup>	ASTM D891-95	@ 55 °C
Solid	960 kg/m <sup>3</sup>	ASTM D891-95	@ 28 °C
Specific heat			
Liquid	2.35 kJ/kgK	PLUSS® T-History	@ 60 °C
Solid	2.02 kJ/kgK	PLUSS® T-History	@ 28 °C
Thermal conductivity			
Liquid	0.10 W/mK	KD2Pro	@ 60 °C
Solid	0.20 W/mK	KD2Pro	@ 05 °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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PLUSS-TDS-DOC-193 Version no.-R0, 15-Feb-2022

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