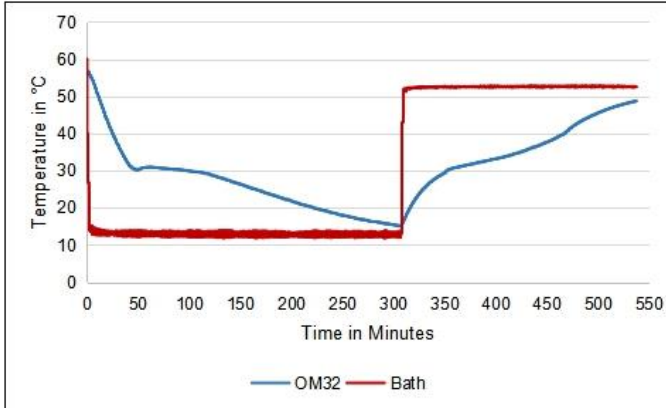


# TECHNICAL DATA SHEET OF savE® OM32

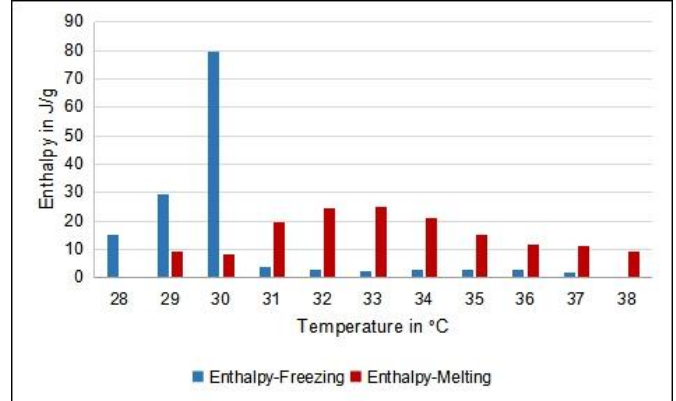
## Technical specification:

Product	:	savE® OM32
Description	:	Organic phase change material
Appearance	:	White waxy flakes/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	33 °C	PLUSS® T-History	@ 42 °C Air bath
Freezing	30 °C	PLUSS® T-History	@ 22 °C Liquid bath
Latent heat/enthalpy			
Liquid	156 kJ/kg	PLUSS® T-History	@ 28 to 38 °C
Solid	187 kJ/kg	PLUSS® T-History	@ 38 to 28 °C
Density			
Liquid	870 kg/m <sup>3</sup>	ASTM D891-95	@ 40 °C
Solid	926 kg/m <sup>3</sup>	ASTM D891-95	@ 10 °C
Specific heat			
Liquid	2.81 kJ/kgK	PLUSS® T-History	@ 37 °C
Solid	3.21 kJ/kgK	PLUSS® T-History	@ 27 °C
Thermal conductivity			
Liquid	0.145 W/mK	KD2Pro	@ 50 °C
Solid	0.219 W/mK	KD2Pro	@ 5 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	Yes		
Flash Point	160 °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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