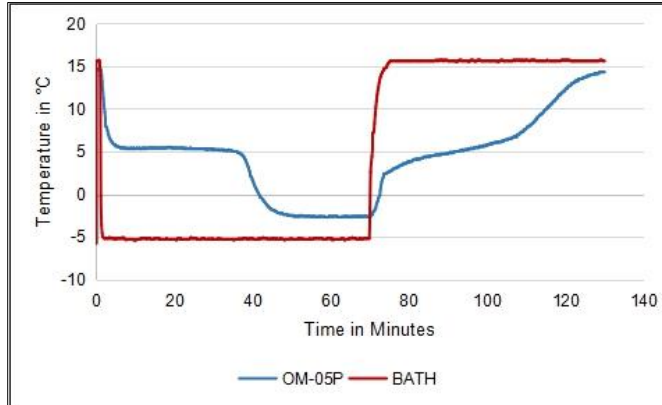


# TECHNICAL DATA SHEET OF savE® OM05-P

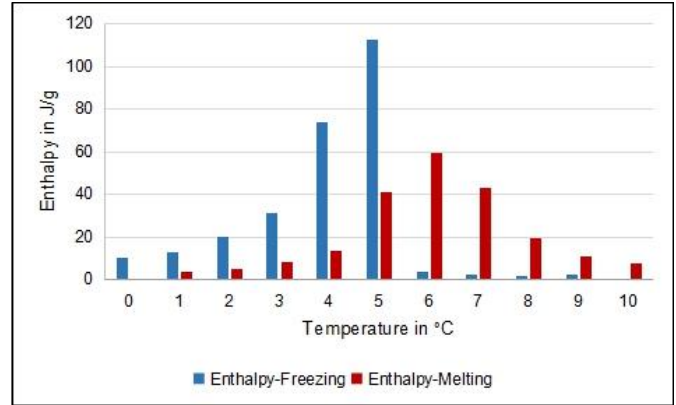
## Technical specification:

Product : savE® OM05-P  
 Description : Organic phase change material  
 Appearance : Transparent liquid @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	6 °C	PLUSS® T-History	@ 15 °C Air bath
Freezing	5 °C	PLUSS® T-History	@ -5 °C Liquid bath
Latent heat/enthalpy			
Melting	213 kJ/kg	PLUSS® T-History	@ 0 to 10 °C
Freezing	271 kJ/kg	PLUSS® T-History	@ 10 to 0 °C
Density			
Liquid	763 kg/m <sup>3</sup>	ASTM D891-95	@ 30 °C
Solid	727 kg/m <sup>3</sup>	ASTM D891-95	@ 0 °C
Specific heat			
Liquid	5.95 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	3.86 kJ/kgK	PLUSS® T-History	@ 0 °C
Thermal conductivity			
Liquid	0.12 W/mK	KD2Pro	@ 30 °C
Solid	0.13 W/mK	KD2Pro	@ 0 °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-154 Version no.-R0, 15-Feb-2022

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