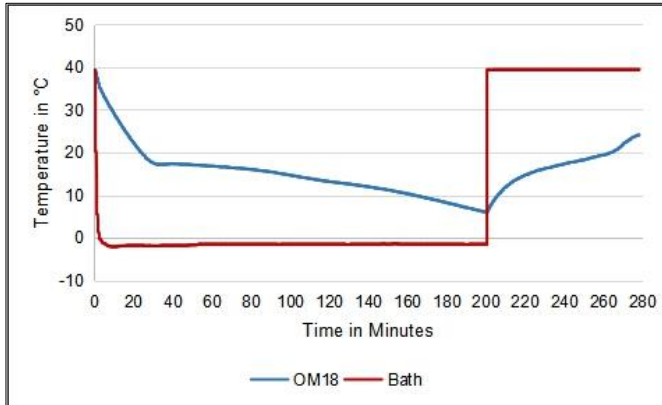


TECHNICAL DATA SHEET OF savE® OM18

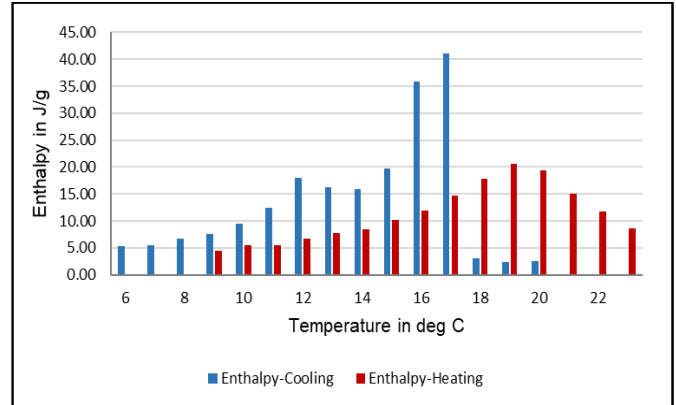
Technical specification:

Product : savE® OM18
 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	18 °C	PLUSS® T-History	@ 28 °C Air bath
• Freezing	17 °C	PLUSS® T-History	@ 8 °C Liquid bath
Latent heat/enthalpy			
• Melting	169 kJ/kg	PLUSS® T-History	@ 9 to 23 °C
• Freezing	201 kJ/kg	PLUSS® T-History	@ 20 to 6 °C
Density			
• Liquid	880 kg/m ³	ASTM D891-95	@ 30 °C
• Solid	906 kg/m ³	ASTM D891-95	@ 0 °C
Specific heat			
• Liquid	2.69 kJ/kgK	PLUSS® T-History	@ 30 °C
• Solid	2.92 kJ/kgK	PLUSS® T-History	@ 0 °C
Thermal conductivity			
• Liquid	0.175 W/mK	KD2Pro	@ 30 °C
• Solid	0.182 W/mK	KD2Pro	@ 0 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	Flammable		
Flash Point	150 °C		

* 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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