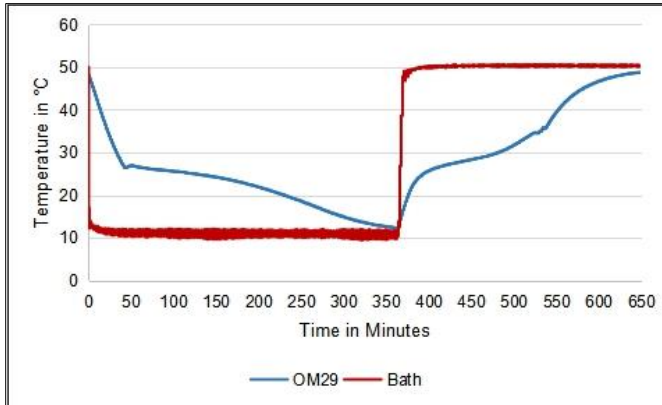


TECHNICAL DATA SHEET OF savE® OM29

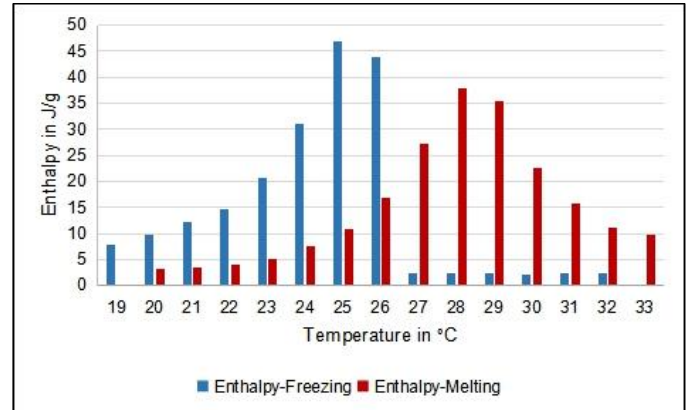
Technical specification:

Product : savE® OM29
 Description : Organic phase change material
 Appearance : 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	28 °C	PLUSS® T-History	@ 39 °C Air bath
Freezing	25 °C	PLUSS® T-History	@ 19 °C Liquid bath
Latent heat/enthalpy			
Melting	194 kJ/kg	PLUSS® T-History	@ 23 to 33 °C
Freezing	188 kJ/kg	PLUSS® T-History	@ 29 to 19 °C
Density			
Liquid	870 kg/m ³	ASTM D891-95	@ 39 °C
Solid	976 kg/m ³	ASTM D891-95	@ 20 °C
Specific heat			
Liquid	2.71 kJ/kgK	PLUSS® T-History	@ 40 °C
Solid	2.32 kJ/kgK	PLUSS® T-History	@ 10 °C
Thermal conductivity			
Liquid	0.172 W/mK	KD2Pro	@ 40 °C
Solid	0.293 W/mK	KD2Pro	@ 22 °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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