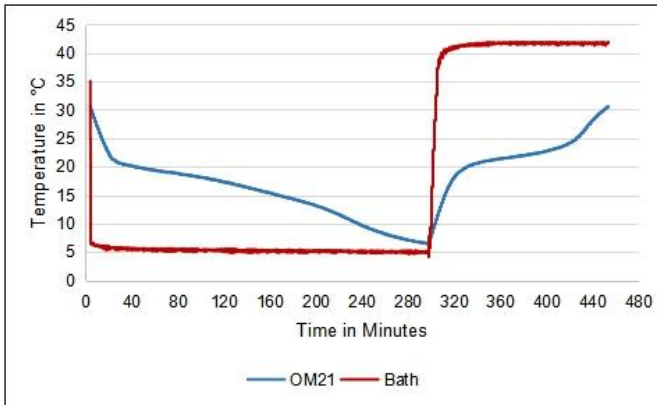


TECHNICAL DATA SHEET OF savE® OM21

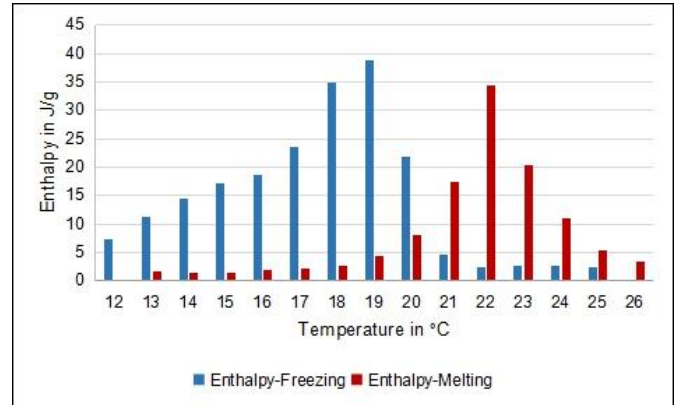
Technical specification:

Product	:	savE® OM21
Description	:	Organic Phase change material
Appearance	:	waxy Solid Below @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	22 °C	PLUSS® T-History	@ 31 °C Air bath
Freezing	19 °C	PLUSS® T-History	@ 11 °C Liquid bath
Latent heat/enthalpy			
Melting	174 kJ/kg	PLUSS® T-History	@ 16 to 26 °C
Freezing	171 kJ/kg	PLUSS® T-History	@ 22 to 12 °C
Density			
Liquid	891 kg/m ³	ASTM D891-95	@ 40 °C
Solid	931 kg/m ³	ASTM D891-95	@ 20 °C
Specific heat			
Liquid	2.85 kJ/kgK	PLUSS® T-History	@ 30 °C
Solid	2.82 kJ/kgK	PLUSS® T-History	@ 10 °C
Thermal conductivity			
Liquid	0.14 W/mK	KD2Pro	@ 40 °C
Solid	0.21 W/mK	KD2Pro	@ 6 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	Yes		
Flash Point	NA		

* 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-169 Version no.-R0, 15-Feb-2022

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