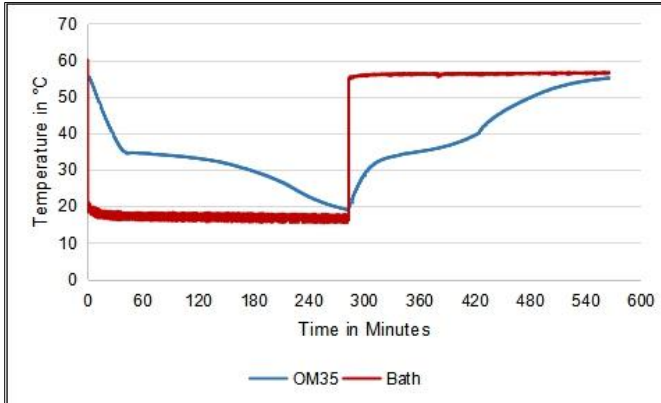


# TECHNICAL DATA SHEET OF savE® OM35

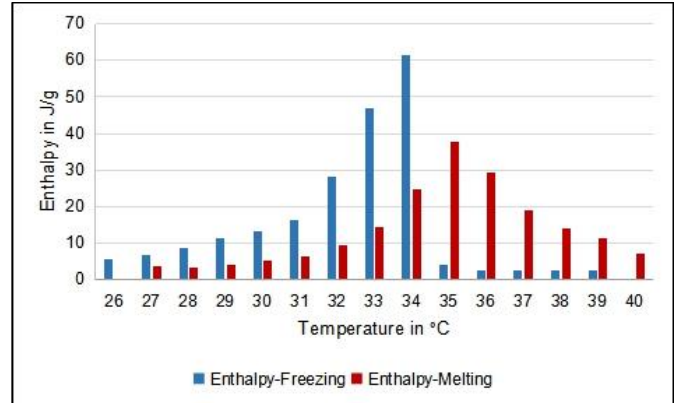
## Technical specification:

Product	:	savE® OM35
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	35 °C	PLUSS® T-History	@ 45 °C Air bath
Freezing	34 °C	PLUSS® T-History	@ 25 °C Liquid bath
Latent heat/enthalpy			
Melting	171 kJ/kg	PLUSS® T-History	@ 30 to 40 °C
Freezing	202 kJ/kg	PLUSS® T-History	@ 36 to 26 °C
Density			
Liquid	870 kg/m <sup>3</sup>	ASTM D891-95	@ 40 °C
Solid	900 kg/m <sup>3</sup>	ASTM D891-95	@ 30 °C
Specific heat			
Liquid	2.78 kJ/kgK	PLUSS® T-History	@ 40 °C
Solid	2.57 kJ/kgK	PLUSS® T-History	@ 30 °C
Thermal conductivity			
Liquid	0.16 W/mK	KD2Pro	@ 48 °C
Solid	0.20 W/mK	KD2Pro	@ 5 °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](#)).

Pluss Advanced Technologies Ltd  
 B-205, Tower B – Pioneer Urban Square, Sec 62, Gurugram-122101, Haryana, India  
 Telephone: +91 - 124 - 4309490/91/92  
 E-mail: info@pluss.co.in | Web: www.pluss.co

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