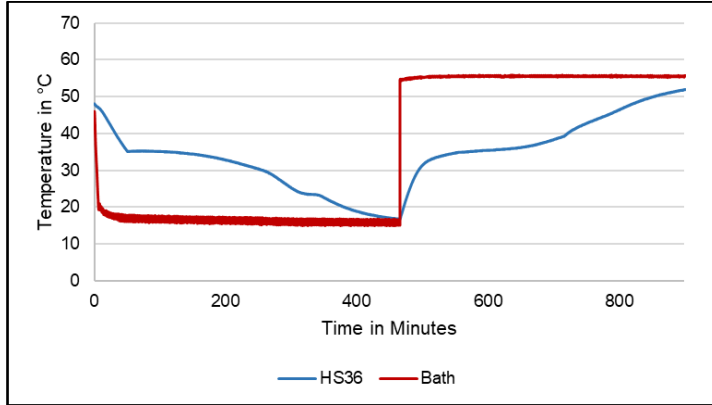


TECHNICAL DATA SHEET OF savE® HS36

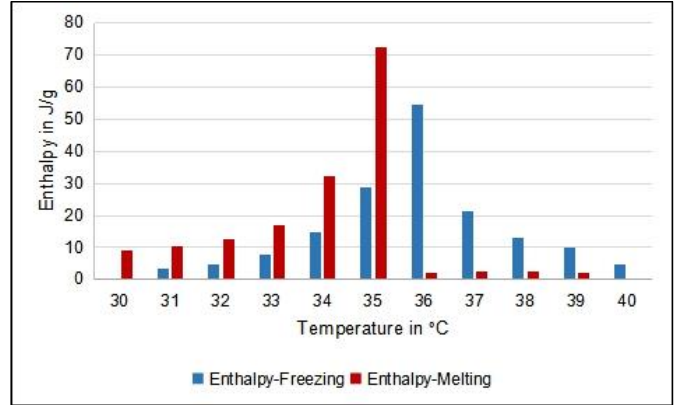
Technical specification:

Product	:	savE® HS36
Description	:	Inorganic phase change material
Appearance	:	Off-White to pale yellow 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 Liquid bath
Freezing	36 °C	PLUSS® T-History	@ 20 °C Liquid bath
Nucleation temperature	34 °C	PLUSS® T-History	@ 20 °C Liquid bath
Latent heat/enthalpy			
Melting	163 kJ/kg	PLUSS® T-History	@ 30 to 40 °C
Freezing	163 kJ/kg	PLUSS® T-History	@ 40 to 30 °C
Density			
Liquid	1850 kg/m ³	ASTM D891-95	@ 45 °C
Solid	1967 kg/m ³	ASTM D891-95	@ 20 °C
Specific heat			
Liquid	2.32 kJ/kgK	PLUSS® T-History	@ 50 °C
Solid	1.98 kJ/kgK	PLUSS® T-History	@ 20 °C
Thermal conductivity			
Liquid	0.47 W/mK	KD2Pro	@ 44 °C
Solid	0.50 W/mK	KD2Pro	@ 24 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	No		

* 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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