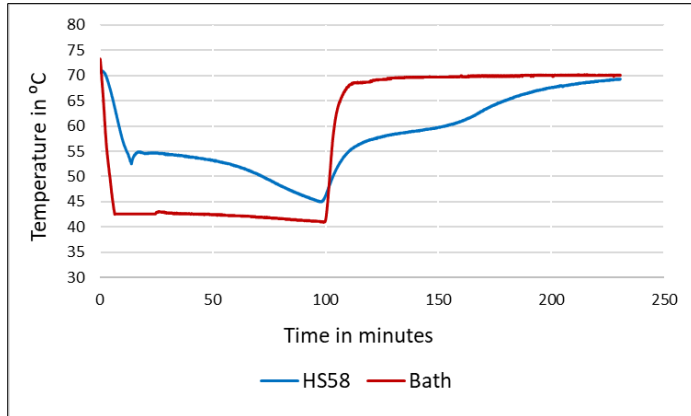


# TECHNICAL DATA SHEET OF savE® HS58

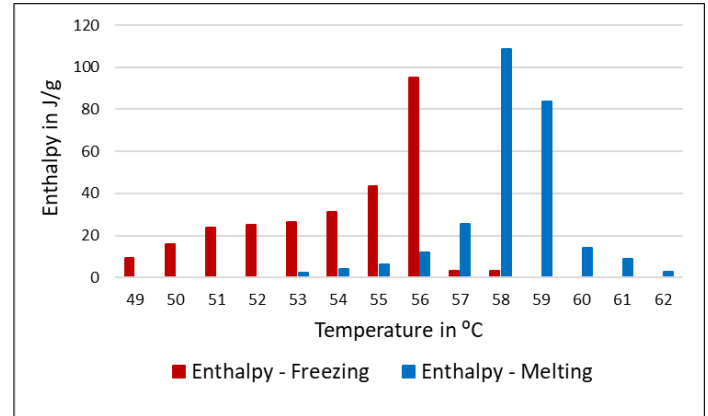
## Technical Specification:

Product	:	savE® HS58
Description	:	Inorganic Phase Change material
Appearance	:	Solid with undissolved particles @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	58 °C	PLUSS® T-History	@ 70 °C Air Bath
Freezing	56 °C	PLUSS® T-History	@ 42 °C Air Bath
Latent Heat/Enthalpy			
Liquid	267 kJ/kg	PLUSS® T-History	@ 53 to 62 °C
Solid	276 kJ/kg	PLUSS® T-History	@ 58 to 49 °C
Density			
Liquid	1320 kg/m <sup>3</sup>	ASTM D891-95	@ 65 °C
Solid	1400 kg/m <sup>3</sup>	ASTM D891-95	@ 25 °C
Specific Heat			
Liquid	3.15 kJ/kgK	PLUSS® T-History	@ 60 °C
Solid	2.40 kJ/kgK	PLUSS® T-History	@ 42 °C
Thermal Conductivity			
Liquid	0.51 W/mK	KD2Pro	@ 65 °C
Solid	0.61 W/mK	KD2Pro	@ 25 °C
Cycling stability	650	PLUSS® Internal	
Maximum Operating Temperature	75°C		
Flammability	No		
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](#)).

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](mailto:info@pluss.co.in) | Web: [www.pluss.co](http://www.pluss.co)

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