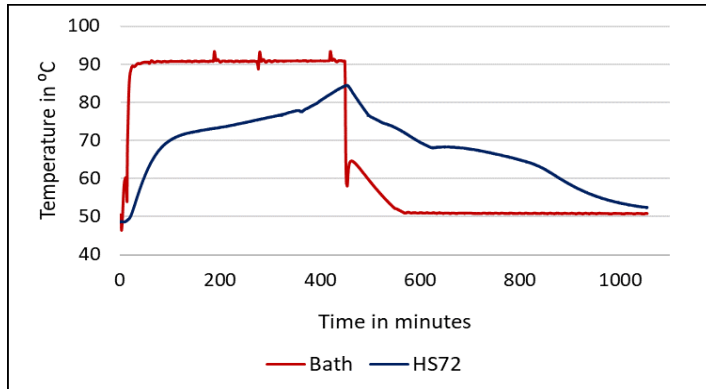


# TECHNICAL DATA SHEET OF savE® HS72

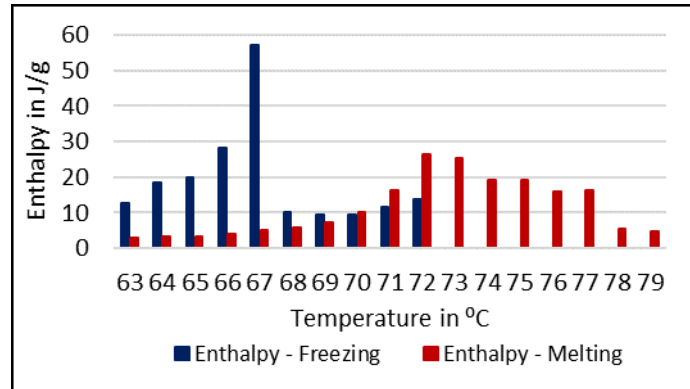
## Technical Specification:

Product : savE® HS72  
 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	72 °C	PLUSS® T-History	@ 90 °C Air Bath
Freezing	67 °C	PLUSS® T-History	@ 50 °C Air Bath
Latent Heat/Enthalpy			
Liquid	162 kJ/kg	PLUSS® T-History	@ 70-79 °C
Solid	191 kJ/kg	PLUSS® T-History	@ 72-63 °C
Density			
Liquid	1494 kg/m <sup>3</sup>	ASTM D891-95	@ 80 °C
Solid	1504 kg/m <sup>3</sup>	ASTM D891-95	@ 25 °C
Specific Heat			
Liquid	2.90 kJ/kgK	PLUSS® T-History	@ 78 °C
Solid	2.30 kJ/kgK	PLUSS® T-History	@ 52 °C
Thermal Conductivity			
Liquid	0.32 W/mK	KD2Pro	@ 80 °C
Solid	0.30 W/mK	KD2Pro	@ 30 °C
Cycling stability	Under test	PLUSS® Internal	
Maximum Operating Temperature	90 °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](#)).

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