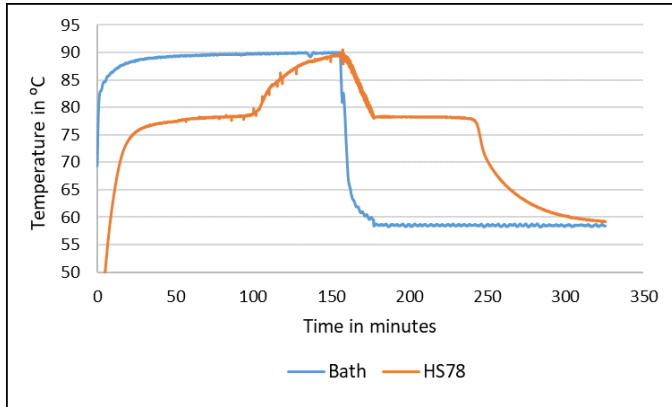


# TECHNICAL DATA SHEET OF savE® HS78

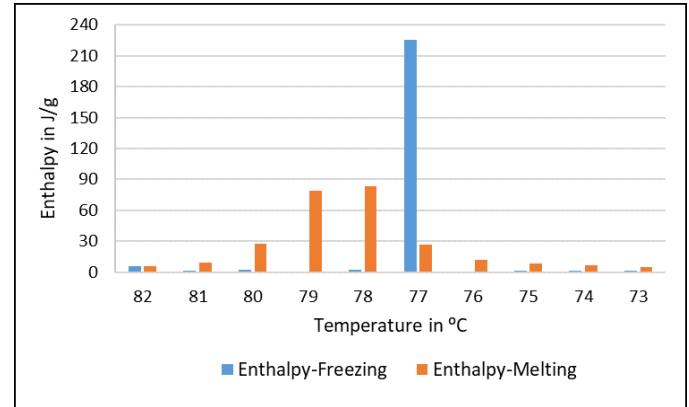
## Technical Specification:

Product : savE® HS78  
 Description : Inorganic Phase Change material  
 Appearance : 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	78 °C	PLUSS® T-History	@ 90 °C Air Bath
Freezing	77 °C	PLUSS® T-History	@ 27 °C Air Bath
Latent Heat/Enthalpy			
Liquid	240 kJ/kg	PLUSS® T-History	@ 73-82 °C
Solid	242 kJ/kg	PLUSS® T-History	@ 82-73 °C
Density			
Liquid	1900 kg/m <sup>3</sup>	ASTM D891-95	@ 85 °C
Solid	1890 kg/m <sup>3</sup>	ASTM D891-95	@ 25 °C
Specific Heat			
Liquid	1.59 kJ/kgK	PLUSS® T-History	@ 82 °C
Solid	1.46 kJ/kgK	PLUSS® T-History	@ 74 °C
Thermal Conductivity			
Liquid	0.89 W/mK	KD2Pro	@ 85 °C
Solid	0.70 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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