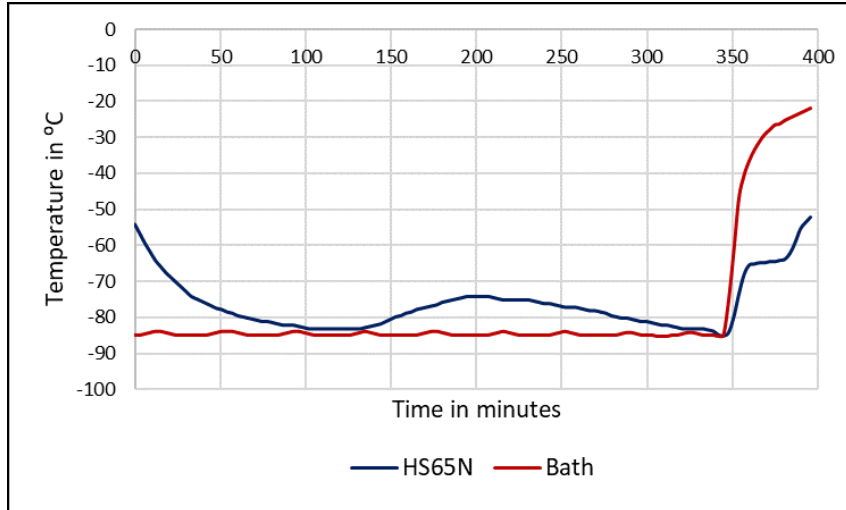


TECHNICAL DATA SHEET OF savE® HS65N

Technical Specification:

Product	:	savE® HS65N
Description	:	Inorganic Phase Change material
Appearance	:	Slight yellowish translucent liquid

Phase transition temperature range and stored thermal energy*



Temperature vs Time Curve

Property	Value**	Test Method	Test Conditions (if any)
Phase Transition Temperature			
Melting	-65 °C	PLUSS® T-History	@ -20 °C Air Bath
Freezing	-74 °C	PLUSS® T-History	@ -85 °C Air Bath
Nucleation temperature	-84 °C	PLUSS® T-History	@ -85 °C Air Bath
Latent Heat/Enthalpy			
Liquid	171.76 kJ/kg	PLUSS® Object Testing	@ -70 °C to -60 °C Air Bath
Density			
Liquid	1158 kg/m ³	ASTM D891-95	@ 25 °C
Specific Heat			
Liquid	3.38 kJ/kgK	PLUSS® T-History	@ 25 °C
Thermal Conductivity			
Liquid	0.50 W/mK	KD2Pro	@ 25 °C
Cycling stability	Under test	PLUSS® Internal	
Maximum Operating Temperature	100 °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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