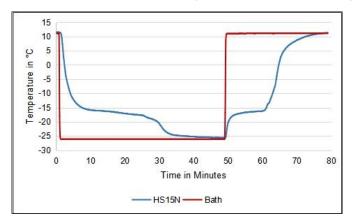
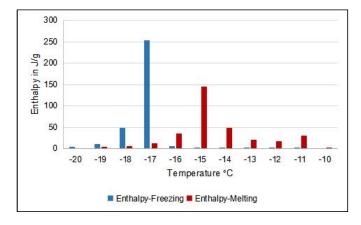
TECHNICAL DATA SHEET OF savE® HS15N

Technical specification:

Product	:	savE [®] HS15N
Description	:	Inorganic phase change material
Appearance	:	Bright white liquid @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 Freezing Nucleation temperature	-16 ℃ -17 ℃ -17 ℃	PLUSS [®] T-History PLUSS [®] T-History PLUSS [®] T-History	 @ -5 °C Liquid bath @ -25 °C Liquid bath @ -25 °C Liquid bath
Latent heat/enthalpy Melting Freezing	327 kJ/kg 341 kJ/kg	PLUSS [®] T-History PLUSS [®] T-History	@ -20 to -10 °C @ -10 to -20 °C
Density Liquid Solid	1070 kg/m ³ 1016 kg/m ³	ASTM D891-95 ASTM D891-95	@ 30 °C @ -20 °C
Specific heat Liquid Solid	3.40 kJ/kgK 1.87 kJ/kgK	PLUSS [®] T-History PLUSS [®] T-History	@ 20 °C @ -25 °C
Thermal conductivity Liquid Solid	0.53 W/mK 5.26 W/mK	KD2Pro KD2Pro	@ 30 °C @ -15 °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).

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