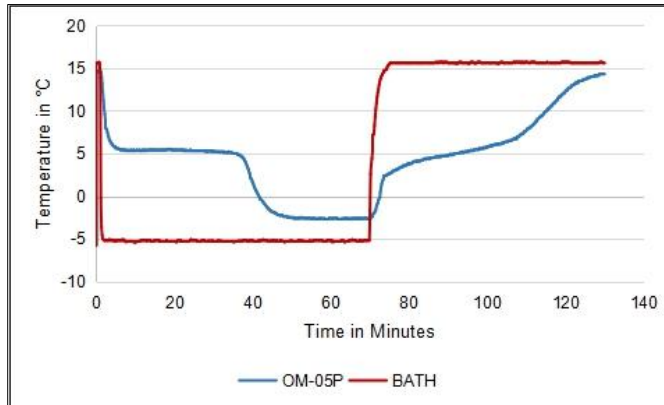


TECHNICAL DATA SHEET OF savE® OM05-P

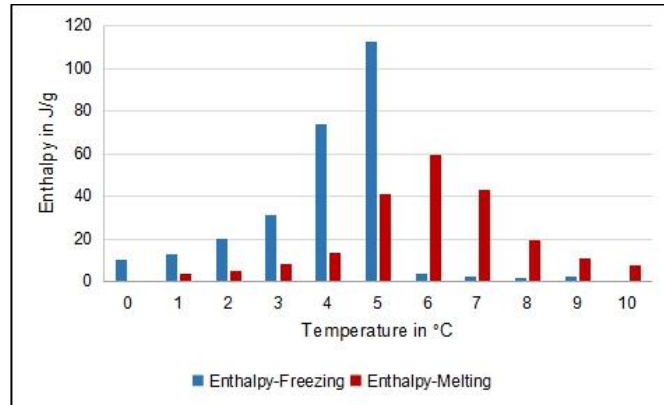
Technical specification:

| | | |
|-------------|---|-------------------------------|
| Product | : | savE® OM05-P |
| Description | : | Organic phase change material |
| Appearance | : | Transparent 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 | 6 °C | PLUSS® T-History | @ 15 °C Air bath |
| Freezing | 5 °C | PLUSS® T-History | @ -5 °C Liquid bath |
| Latent heat/enthalpy | | | |
| Melting | 213 kJ/kg | PLUSS® T-History | @ 0 to 10 °C |
| Freezing | 271 kJ/kg | PLUSS® T-History | @ 10 to 0 °C |
| Density | | | |
| Liquid | 763 kg/m ³ | ASTM D891-95 | @ 30 °C |
| Solid | 810 kg/m ³ | ASTM D891-95 | @ 0 °C |
| Specific heat | | | |
| Liquid | 1.82 kJ/kgK | PLUSS® T-History | @ 30 °C |
| Solid | 2.05 kJ/kgK | PLUSS® T-History | @ 0 °C |
| Thermal conductivity | | | |
| Liquid | 0.12 W/mK | KD2Pro | @ 30 °C |
| Solid | 0.13 W/mK | KD2Pro | @ 0 °C |
| Number of cycles tested | 2000 | PLUSS® Internal | |
| Maximum Operating Temperature | 90 °C | | |
| Flammability | Yes | | |
| Flash point | 200 °C | | |

* Determined by T-history

**Nominal Valu[es]. Actual values mentioned in test certificate.

Compatibility data available on request.

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 | Web: www.pluss.co

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