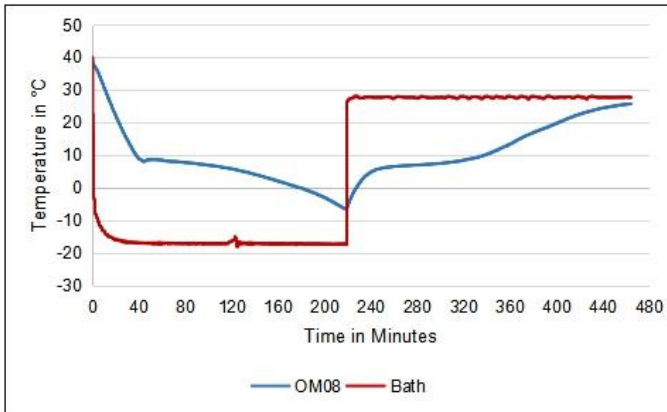


TECHNICAL DATA SHEET OF savE® OM08

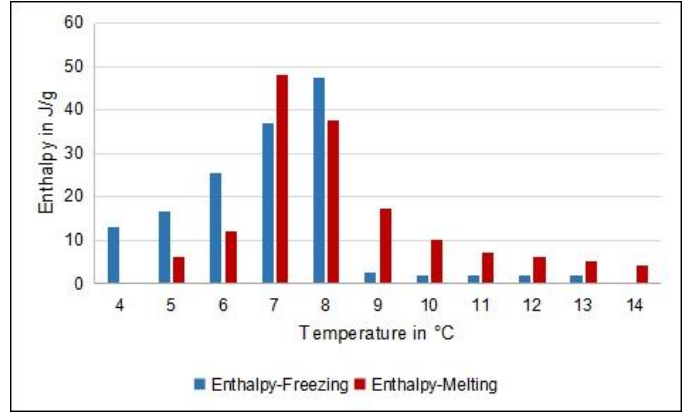
Technical specification:

Product : savE® OM08
 Description : Organic phase change material
 Appearance : Clear to pale yellow 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 | 7 °C | PLUSS® T-History | @ 18 °C Air bath |
| Freezing | 8 °C | PLUSS® T-History | @ -2 °C Liquid bath |
| Latent heat/enthalpy | | | |
| Melting | 154 kJ/kg | PLUSS® T-History | @ 4 to 14 °C |
| Freezing | 150 kJ/kg | PLUSS® T-History | @ 14 to 4 °C |
| Density | | | |
| Liquid | 1020 kg/m ³ | ASTM D891-95 | @ 30 °C |
| Solid | 1190 kg/m ³ | ASTM D891-95 | @ 0 °C |
| Specific heat | | | |
| Liquid | 2.11 kJ/kgK | PLUSS® T-History | @ 30 °C |
| Solid | 1.71 kJ/kgK | PLUSS® T-History | @ 0 °C |
| Thermal conductivity | | | |
| Liquid | 0.118 W/mK | KD2Pro | @ 30 °C |
| Solid | 0.235 W/mK | KD2Pro | @ -5 °C |
| Number of cycles tested | ~1500 | PLUSS® Internal | |
| Maximum operating temperature | 90 °C | | |
| Flammability | Yes | | |
| Flash Point | 110 °C | | |

* 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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