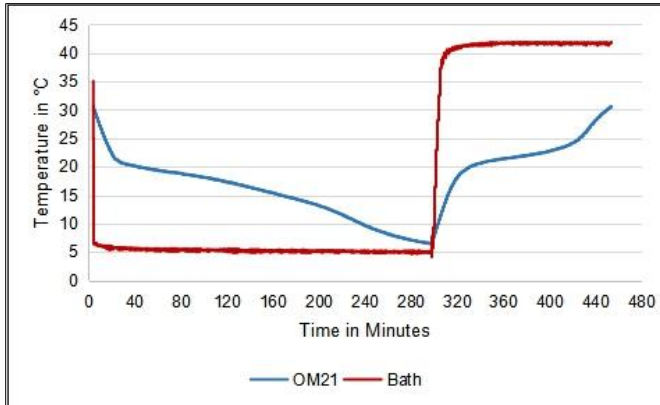


TECHNICAL DATA SHEET OF savE® OM21

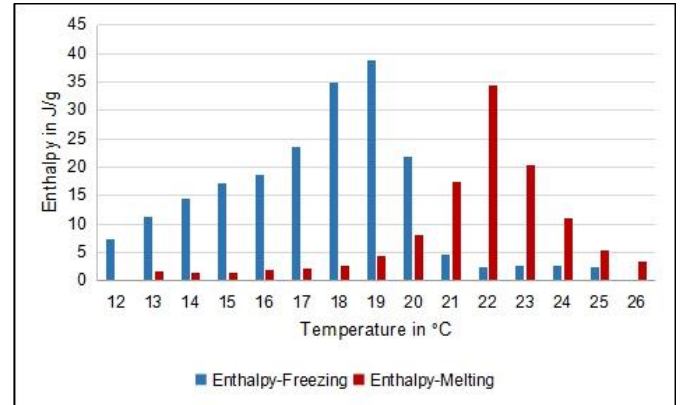
Technical specification:

Product : savE® OM21
 Description : Organic Phase change material
 Appearance : waxy Solid Below @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 | 22 °C | PLUSS® T-History | @ 31 °C Air bath |
| Freezing | 19 °C | PLUSS® T-History | @ 11 °C Liquid bath |
| Latent heat/enthalpy | | | |
| Melting | 174 kJ/kg | PLUSS® T-History | @ 16 to 26 °C |
| Freezing | 171 kJ/kg | PLUSS® T-History | @ 22 to 12 °C |
| Density | | | |
| Liquid | 891 kg/m ³ | ASTM D891-95 | @ 40 °C |
| Solid | 931 kg/m ³ | ASTM D891-95 | @ 20 °C |
| Specific heat | | | |
| Liquid | 2.85 kJ/kgK | PLUSS® T-History | @ 30 °C |
| Solid | 2.82 kJ/kgK | PLUSS® T-History | @ 10 °C |
| Thermal conductivity | | | |
| Liquid | 0.14 W/mK | KD2Pro | @ 40 °C |
| Solid | 0.21 W/mK | KD2Pro | @ 6 °C |
| Number of cycles tested | ~2000 | PLUSS® Internal | |
| Maximum operating temperature | 90 °C | | |
| Flammability | Yes | | |
| Flash Point | NA | | |

* Determined by T-history

**Nominal Values. 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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