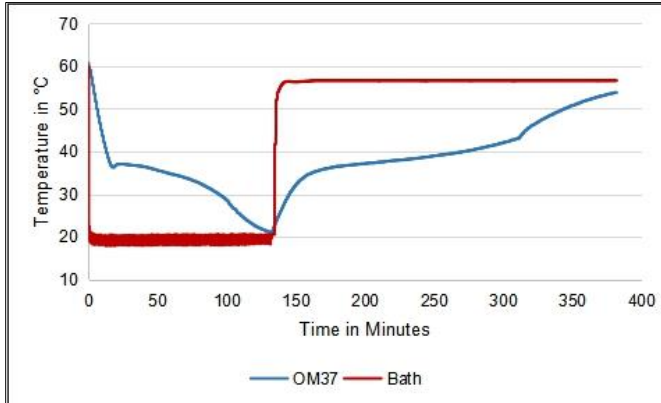


TECHNICAL DATA SHEET OF savE® OM37

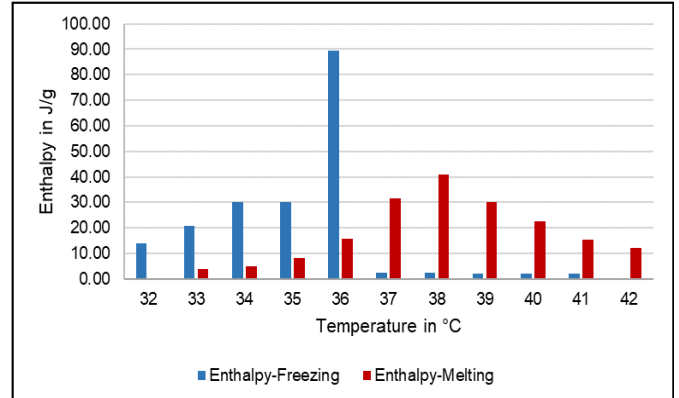
Technical specification:

Product : savE® OM37
 Description : Organic phase change material
 Appearance : White waxy flakes @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 | 38 °C | PLUSS® T-History | @ 34 °C Liquid bath |
| Freezing | 36 °C | | @ 14 °C Liquid bath |
| Nucleation temperature | 36 °C | | @ 14 °C Liquid bath |
| Latent heat/enthalpy | | | |
| Melting | 186 kJ/kg | PLUSS® T-History | @ 32 to 42 °C |
| Freezing | 196 kJ/kg | | @ 42 to 32 °C |
| Density | | | |
| Liquid | 860 kg/m ³ | ASTM D891-95 | @ 47 °C |
| Solid | 973 kg/m ³ | ASTM D891-95 | @ 30 °C |
| Specific heat | | | |
| Liquid | 2.63 kJ/kgK | PLUSS® T-History | @ 47 °C |
| Solid | 2.55 kJ/kgK | | @ 30 °C |
| Thermal conductivity | | | |
| Liquid | 0.13 W/mK | KD2Pro | @ 50 °C |
| Solid | 0.16 W/mK | | @ 30 °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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PLUSS-TDS-DOC-184 Version no.-R0, 15-Feb-2022

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