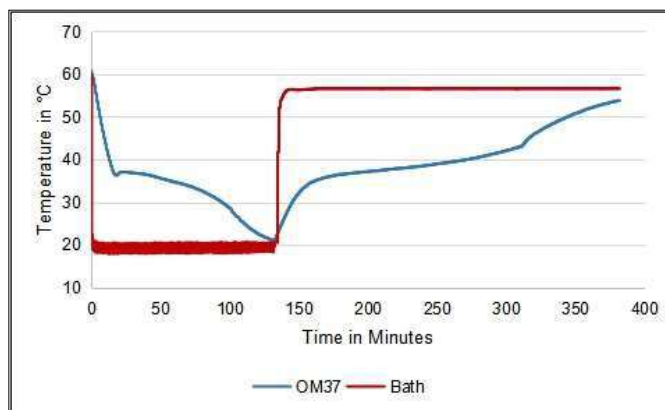


TECHNICAL SPECIFICATION

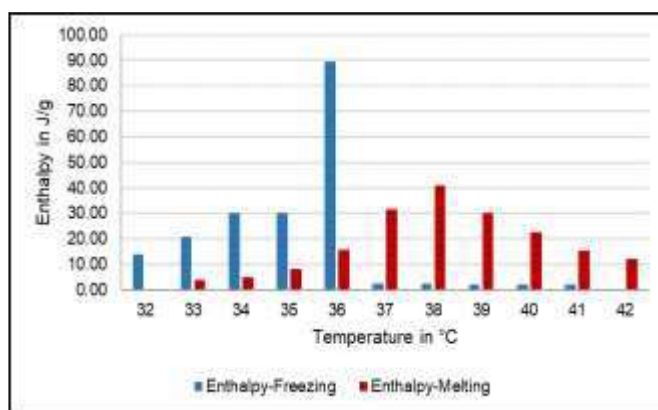
Product:	PCM-OM37P
Description:	Organic phase change material
Appearance:	White waxy flakes @25°C

T-HISTORY TEST

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	T-History	@ 34°C Liquid bath
Freezing	36°C	T-History	@ 14°C Liquid bath
Nucleation temperature	36°C	T-History	@ 14°C Liquid bath
Latent heat			
Melting	186 kJ/kg	T-History	@ 32 to 42 °C
Freezing	96 kJ/kg	T-History	@ 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	T-History	@ 47 °C
Solid	2.55 kJ/kgK	T-History	@ 30 °C
Thermal conductivity			
Liquid	0.13 W/mK	KD2Pro	@ 50 °C
Solid	0.16 W/mK	KD2Pro	@ 30 °C
Number of cycles tested	~2000	Internal	
Maximum operating temperature	90 °C		
Flammability	No		

* Determined by T-history

**Nominal Values. Actual values mentioned in batch test certificate.