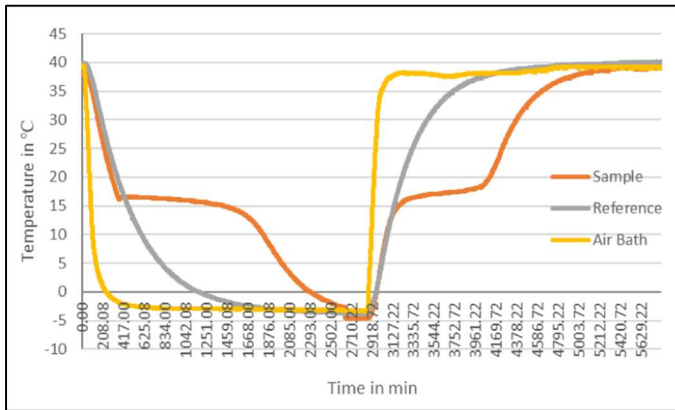


TECHNICAL SPECIFICATION

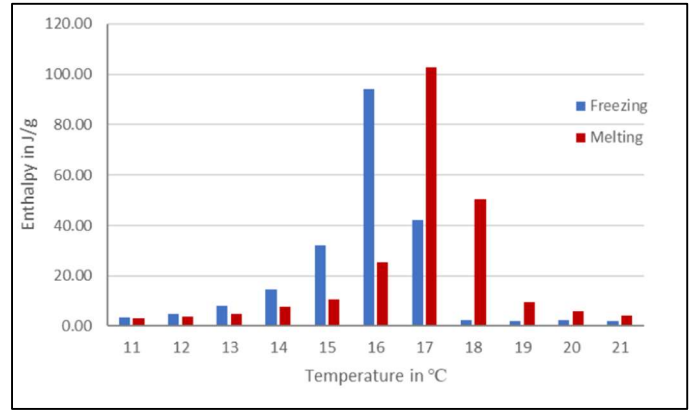
Product: PCM-OM18P
Description: Organic phase change material
Appearance: Transparent liquid @25°C

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)
Melting Temperature	17°C	T-History	@ 37°C Liquid bath
Freezing Temperature	16°C	T-History	@ -5°C Liquid bath
Latent Heat	208	T-History	@ 11 to 21°C
Liquid Density	763 kg/m ³	ASTM D891-95	@ 30 °C
Solid Density	820 kg/m ³	ASTM D891-95	@ 0 °C
Liquid Specific Heat	3.50 kJ/kgK	T-History	@ 30 °C
Solid Specific Heat	3.86 kJ/kgK	T-History	@ 0 °C
Liquid Thermal Conductivity	0.15 W/mK	KD2Pro	@ 30 °C
Congruent Melting	Yes		
Flammability	Yes		
Thermal Stability (Cycles)	~500	Internal	
Maximum operating temperature	120 °C		
Flash Point	N/A		

* Determined by T-history

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