

# TECHNICAL DATA SHEET OF savE® OM05-P

## Technical Specification:

Product	:	savE®
Series	:	OM
Description	:	Organic material containing additives
Appearance	:	Transparent when molten

## T-History Test

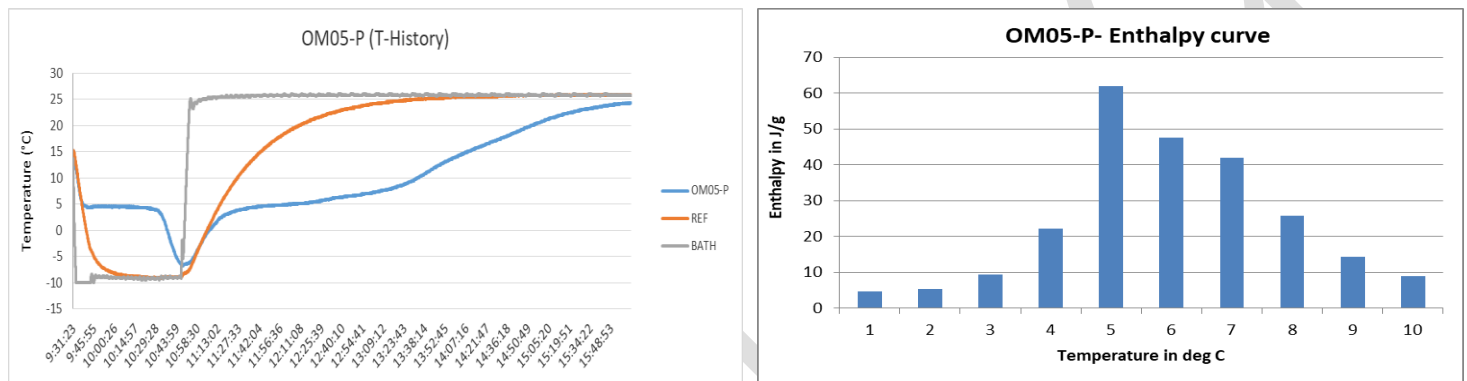


Fig1: T-History graph for OM05-P

A 20g sample is taken in a test tube in molten condition and placed in a temperature controlled bath. A temperature sensor is placed in the test tube and bath to record the temperatures using a data logger. The bath is maintained at around -10°C during the freezing cycle and at around 25°C during the melting cycle.

Property	Value*	Test Method	Test Conditions (if any)
Melting Temp (°C)	6.1	PLUSS® T-History	@ 25°C Air Bath
Freezing Temp (°C)	5	PLUSS® T-History	@ -10°C Air Bath
Latent Heat (kJ/kg)	242	PLUSS® T-History	@ 0°C to 10°C
Liquid Density (kg/m <sup>3</sup> )	763	SG bottle	@ 16°C
Liquid Specific Heat (kJ/kgK)	5.95	PLUSS® T-History	@ 11°C
Solid Specific Heat (kJ/kgK)	3.83	PLUSS® T-History	@ -2°C
Liquid Thermal Conductivity (W/mK)	0.37	KD2Pro	@ 16°C
Base Material	Organic		
Flammability	Flammable		

### Pluss Advanced Technologies Pvt. Ltd.

Pioneer Urban Square, Unit 205, Tower B, Sector 62, Gurgaon - 122008 (Haryana), India  
 Telephone: +91 - 124 - 4309490/91/92  
 E-mail: info@pluss.co.in | Web: [www.pluss.co.in](http://www.pluss.co.in)