

# Gemini<sup>®</sup> PFPE Vapor Phase Soldering Fluids

## OB Series

### Introduction:

OB series are 200°C~260°C boiling points vapor phase soldering fluids for various high-tech applications in the Electrical & Electronics. They have low vapor pressure and evaporation tendency, high thermal stability and wide operating temperature range, good compatibility with metals, plastics and elastomers, excellent dielectric properties and chemical inertness with no fire hazard and flash point.

### Typical Properties:

	Units	OB-71	OB-73	OB-75	OB-77	OB-79
Boiling Point	°C	200	215	230	240	260
Kinematic Viscosity	cSt	2.5	3.8	4.4	5.3	7
Density	g/mL	1.79	1.8	1.82	1.82	1.83
Specific Heat	cal/g • °C	0.23	0.23	0.23	0.23	0.23
Vapor Pressure	Pa	21	12	3.4	1	1
Dielectric Strength	kV 2.54mm	>40	>40	>40	>40	>40
Dielectric Constant	@1kHz	2.1	2.1	2.1	2.1	2.1
Volume Resistivity	Ohm • cm	$1.0 \times 10^{15}$	$1.0 \times 10^{15}$	$1.0 \times 10^{15}$	$1.0 \times 10^{15}$	$1.0 \times 10^{15}$
Heat of Vaporization	cal/g	15	15	15	15	15
Thermal Conductivity	W/m • K	0.07	0.07	0.07	0.07	0.07

### Features:

- OB series use at temperature from 200°C to 260°C without pressure build-up and absolutely no fire hazard
- Narrow molecular range, stable boiling point
- The widest boiling points among fluorinated heat carrier fluids
- Very low vapor pressure and evaporation tendency
- Outstanding non-flammability, Non toxic, 0 ODP bring safety to workplace
- High thermal stability and wide operating temperature range, good compatibility with metals, plastics and elastomers
- Excellent dielectric properties and chemical inertness with no fire hazard and flash point

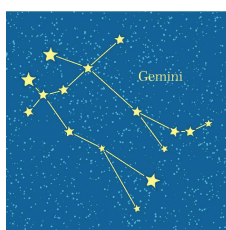
### Typical Applications:

- Vapor phase soldering for large and heavy parts

**Attentions:**

- . During processing, wear protection clothes, be careful of eye、 skin contact.
- . Keep the container sealed and store in cool、 well ventilated locations.

**Packaging/Transport:** 25Kg, 50Kg, 100Kg plastic jug, 200Kg drum. Not classified as dangerous in the meaning of transport regulations.



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Hunan Weiss Bonya Co., Ltd

Email: [Weissbonya@gmail.com](mailto:Weissbonya@gmail.com)