



## Product Information

# PM-125 Phenylmethyl Silicone Fluid

**Phenylmethylsiloxane Fluid (clear- super hi-temperature stability) [CAS 63148-52-7]**



PM-125 Phenylmethyl Silicone exhibits extraordinary high temperature performance.

**PM-125 Phenylmethyl Silicone** (phenylmethylsiloxane) is a high content phenylmethyl silicone CAS [63148-52-7] that is formulated for a wide range of high temperature applications. The fluid is clear, colorless and odorless with a viscosity of 125cSt (centistokes) @ 25°C.

PM-125 is characterized by its high thermal stability, high damping action (meets VV-D-1078 “Silicone as damping fluid”), high resistance to oxidation, enhanced shear resistance, excellent lubricity, high dielectric strength and inertness to virtually all substrates.

Its phenylmethyl content is between 48 to 52%. Due to the high phenyl content, PM-125 exhibits much higher temperature stability than standard dimethyl silicones and conventional bath fluids. In open systems (presence of air), PM-125 has a service temperature range that exceeds 250°C. In closed systems (absence of air), it remains stable for thousands of hours at 250° +. (See below for gel times)

Applications include: High temperature Damping Fluid –High Temperature Bath Fluid –High Temperature Heat Transfer Fluid - Hydraulic Fluid

### Features

- Excellent High Temp Performance
- Thermal Stability at 250°C open system
- Service range: -40°C to 230°C (open system) \*
- High Oxidation Resistance
- Non-Flammable
- High Temperature bath fluid for laboratory research apparatus and instruments.
- High Dielectric strength –dielectric fluid in capacitors
- High Temperature heat transfer applications
- Lubricant for high temperature applications.
- High temperature Damping fluid.

\*Note: viscosity will increase significantly at lower temperatures.

### Specifications

Chemical Name	Phenylmethylsiloxane-Dimethylsiloxane
CAS #	63148-52-7
Appearance	Clear Liquid – Odorless & Tasteless
Federal Spec	VV-D-1078 Silicone as damping fluid
Meets NSN No.	NSN 9150-00687-8339
Non-Flammable	Yes
Thermal Stability	Excellent

### Typical Product Data

Viscosity @ 25°C	Viscosity/Temp Coefficient	Pour Point °C	Gel Time, hours 250°C in Air	Specific Gravity	Refractive Index	Surface Tension	Dielectric Constant	Flashpoint °C	Ignition Temp °C
125	0.78	-51	1,000-1,400 hrs.	1.07	1.500	24.5	2.87	300-482	482

### Packaging

1-gallon.....	8.8 lbs / 4kg
5-gallon pail.....	44 lbs / 20kg
55-gallon drum.....	485 lbs / 220kg
Terms: F.O.B. Phila, PA 19135	

### For More Information, Contact:

#### Clearco Products Co., Inc.

3430 G. Progress Drive  
Bensalem, PA 19020  
U.S.A.

Tel: 215 639-2640

Fax: 215 639-2919

Email: [info@clearcoproducts.com](mailto:info@clearcoproducts.com)

Web: [www.clearcoproducts.com](http://www.clearcoproducts.com)