



### Clearco PM-125 Phenylmethyl Silicone

**125cSt FLUID (clear- super hi-temperature stability) [CAS 63148-52-7]**



Clearco Phenylmethyl Silicone 125 exhibits extraordinary high temperature performance.

Clearco PhenylMethyl 125 Silicone is high content phenylmethyl silicone CAS [63148-52-7] that is formulated for a wide range of thermal applications. Its phenylmethyl content is between 48 to 52%. Clearco Phenylmethyl 125 exhibits much higher temperature stability than standard dimethyl silicones, which break down at 320°F / 160°C open system. 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)

In addition, Clearco Phenylmethyl 125 Silicone exhibits higher oxidation resistance, greater thermal stability, and enhanced shear resistance than standard silicones. Other applications include: Damping Fluid –High Temperature Bath Fluid – Hydraulic Fluid – Mold Release Agent - Heat Transfer Fluid.

#### FEATURES

- Excellent High Temp Performance
- Excellent Low Temp Stability
- Service range: -40 to 230C (open system)
- Enhanced metal-to-metal lubrication
- High Oxidation Resistance
- Non-Flammable
- High Temperature bath fluid for laboratory research apparatus and instruments.
- High Dielectric strength –dielectric fluid in capacitors
- High Temperture heat transfer applications

#### Specifications

<b>Chemical Name</b>	Phenylmethylsiloxane-Dimethylsiloxane
<b>CAS #</b>	63148-52-7
<b>Appearance</b>	Clear Liquid – Odorless & Tasteless
<b>Odorless</b>	Yes
<b>Non-Flammable</b>	Yes
<b>Thermal Stability</b>	Excellent

#### Availability

Minimum Order is 1-gallon  
 1-gallon (4kg)  
 5-gallon pail (20kg)  
 55-gallon drum (220 kg)

#### Typical Product Data For Clearco PM-125 PhenylMethyl Silicone

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

#### For More Information, Contact:

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