

**Clearco DPDM-200 Diphenyl-Dimethyl Silicone****Diphenyl –Dimethyl Silicone Bath Fluid...stability between -40°C to 260°C**

Clearco DPDM-200 Silicone Bath Fluid remains stable from -40C to 250C.

Clearco DPDM-200 Silicone is a clear, Medium content phenyl silicone belonging to the phenyl silicone group. It is classified as a Dimethyl-Diphenylsiloxane Copolymer (CAS # 68083-14-7) and contains 18 to 22% Diphenylsiloxane.

Clearco DPDM-200 exhibits much higher temperature stability than standard dimethyl silicones. In open systems (presence of air), Clearco DPDM-200 will remain stable at 250°C for 1,500 to 2,000 hours. In closed system, it exhibits higher thermal stability.

Due to its high temperature stability, Clearco PM 125 is recommended as a hi-temp bath fluid for temperatures above 320°F / 160°C open system – the point at which dimethylpolysiloxanes start to break down and gel.

In addition, Clearco DPDM-200 Silicone exhibits higher oxidation resistance, greater thermal stability, and enhanced shear resistance than standard silicones. Other applications include: High Temp Damping Fluid –High Temperature Bath Fluid for laboratory instruments and gauges –Hydraulic Fluid – Dielectric Coolant - Heat Transfer Fluid.

SPECIFICATIONS

Chemical Name	Diphenyl-Dimethylsiloxane
CAS #	68083-14-7
Appearance	Clear Liquid –
Odorless	Yes
Non-Flammable	Yes
Thermal Stability	Excellent
Minimum Order	10-kg
Drums	200kg

FEATURES

- Wide Temperature Range: -40°C to 260°C
- Long Term stability: -40°C to 250°C
- High Temp Performance
- High Temperature Bath Fluid
- Enhanced Lubrication
- Non-Flammable
- Enhanced Resistance to Shear
- High Oxidation Resistance
- High Temperature Heat Transfer Applications
- Dielectric Coolant

Typical Product Data

Viscosity @ 25°C	Viscosity/ Temp Coefficient	Pour Point	Gel Time, hours (250°C in Air)	Molecular weight
160 to 230cSt	0.78	-40°C	1,500-2,000 hrs.	1,600 to 2,400

Specific Gravity	Refractive Index	Surface Tension	Dielectric Constant	Flashpoint	Ignition Temp °C
1.05	1.490	24.5	2.83	285°C	488°C

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