

DIFFUSION PUMP OIL OI-808

Replacement oil for:

DV702, DC704, DC705, AN30, AN140,
CVC704, ALCATEL214, VEECO74-SI,
Rhodorsil763....and many more

- Qualified for all diffusion pumps
- Chemically inert
- high thermal stability
- High oxidation resistance
- High radiation resistance
- High moisture resistance
- Excellent price / performance ratio



Silicone Diffusion Pump Oil	OI-808-2	OI-808-4	OI-808-5
Chemical name	Phenylmethyl-dimethylcyclosiloxan mixture	Tetramethyl-Tetraphenyl-Trisiloxan	Pentaphenyl-Trimethyl-Trisiloxan
Colour	transparent to light yellow	transparent	transparent
Odour	odourless	odourless	odourless
State at 25 °C	liquid	liquid	liquid
Ultimate pressure untrapped, mbar	up to 10 ⁻⁶	up to 10 ⁻⁸	up to 10 ⁻⁹
Ultimate pressure trapped, mbar	n/a	up to 10 ⁻¹⁰	up to 10 ⁻¹⁰
Vapour pressure at 25 °C, mbar	6 x 10 ⁻⁷	2 x 10 ⁻⁸	4 x 10 ⁻¹⁰
Viscosity at 25 °C, mm ² /s	45	38.9	165 – 185
Density at 25 °C / 10,6 °C, g/cm ³	1.07	1.07	1.09
Flash point, °C	190	212	243
Boiling point at 0,67 mbar, °C	> 180	> 215	> 245
Pour point, °C	< -20	< -20	-12
Auto ignition temperature, °C	> 480	> 480	> 480
Evaporation heat, kJ/g mol	n/a	105 / 200	117 / 250
Surface tension, mN/m	30	37	36
Molecular weight	530	484	546