

DV SILICONE 747

Typical Characteristics

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Silicone 747 (Phenyl-Methyl Silicone) is an excellent compromise oil having a mid-range boiling point approaching Silicone 704. Extensively used in heat treatment and investment casting applications where a high auto-ignition oil temperature is desirable. Silicone 747 provides exceptionally high resistance to oxidation and thermal stability when compared with mineral diffusion pump oils. Nearest Dow Corning equivalent is DC704.

Saturated Vapour Pressure @ 25°C <u>Test sample 400g</u>	5.0 X 10 ⁻⁸ Mbar.
Average Boiling Range @ 5.0 X 10 ⁻¹ Mbar	35°C
Mid Range Boiling @ 5.0 X 10 ⁻¹ Mbar	215°C
Initial Boiling Point @ 5.0 X 10 ⁻¹ Mbar	192°C <0.1gr = 0.025% Wt.
Molecular Weight (estimated)	480g/mol.
Flash Point	>230°C
Nominal Viscosity @ 40°C	38.00cSt.
Specific Gravity @ 25°C	1.07g/cm ³
Colour	Water White/straw yellow tint
Oil Type: Silicone Ring Compound	Phenyl Methyl