

DURAVAC SILICONE 747

Typical Characteristics

Rev:13-OCT-2011

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.

Saturated Vapour Pressure @ 25°C: Test sample 400g 5.0×10^{-8} Mbar.

Average Boiling Range @ 5.0×10^{-1} Mbar 35°C

Mid Range Boiling @ 5.0×10^{-1} Mbar 215°C

Initial Boiling Point @ 5.0×10^{-1} Mbar 192°C <0.1gr = 0.025% weight

Molecular Weight (estimated) 480g/mol.

Flash Point >230°C

Nominal Viscosity @ 40 °C 28.00cSt.

Specific Gravity @ 25 °C 1.07g/cm³

Colour Water White/straw yellow tint

Oil Type: Silicone Ring Compound Phenyl Methyl