

# DURAVAC SILICONE 737

## (Diffusion Pump Fluid)

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Silicone 737 (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 737 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 X 10 <sup>-7</sup> Mbar.
Average Boiling Range @ 5.0 X 10 <sup>-1</sup> Mbar20°C	
Mid Range Boiling @ 5.0 X 10 <sup>-1</sup> Mbar	183°C
Initial Boiling Point @ 5.0 X 10 <sup>-1</sup> Mbar	170°C <0.1gr = 0.025% Wt.
Molecular Weight (estimated)	470g/mol.
Flash Point	>230°C
Viscosity @ 40°C	33.00cSt.
Specific Gravity @ 25°C	1.07g/cm <sup>3</sup>
Colour	Water White/straw yellow tint
Oil Type: Silicone Ring Compound	Phenyl Methyl

