

DURAVAC

DURAVAC PRODUCTS LIMITED
UNIT 170 JOHN WILSON BUSINESS PARK
WHITSTABLE, KENT, CT5 3RA
TEL:01227 770828 -FAX:01227 770878
Email: sales@duravac.co.uk

DURAVAC SIL 747 SILICONE DIFFUSION PUMP OIL

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.

TYPICAL CHARACTERISTICS

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|--|-----------------------------------|
| Saturated Vapour Pressure @ 25°C | 5.0 X 10 ⁻⁸ torr |
| Average Boiling Range @ 5.0 X 10.⁻¹ torr | 35°C |
| Mid Range Boiling @ 5.0 X 10.⁻¹ torr | 215°C |
| Initial Boiling Point @ 5.0 X 10.⁻¹ torr (192°C) | <0.1gr: = 0.025% Wt. |
| Molecular Weight (typical) | 480g/mol |
| Flash Point C.o.C | 230°C |
| Viscosity @ 40°C Nominal | 28 cst |
| Viscosity @ 25°C Nominal | 53 cst |
| Specific Gravity @ 25°C (Typical): | 1.07 |
| Colour | Water white |
| Oil Type | Phenyl-methyl |