

CVC 4 - Silicone Diffusion Pump Fluid

Tetramethyltetraphenyl trisiloxane rich fluid for producing high vacuums in the range 10^{-8} Torr. Exhibits excellent chemical, oxidation, thermal, hydrolysis and radiation resistance. Extremely low back streaming properties

Features:

- Good resistance to high temperature breakdown
- Ultra high vacuum performance
- Extremely low back streaming properties
- Rapid pump down
- Safer to use than hydrocarbon diffusion pump fluids

Pack sizes:

500cc, 1kg, 5kg, 20kg

Further technical information is available upon request.

Typical characteristics:

Specific Gravity gcm^{-3} @ 25°C	1.07
Viscosity cSt @ 25°C	40 typical
Flash Point Open Cup °C	>210
Boiling Point (under vacuum) °C	230 typical
Ultimate Pressure Torr	10^{-8} - 10^{-9}

Applications:

For particularly tough rugged applications requiring rapid pump down :-

- Vapour deposition of thin films by sputtering or evaporation, electron beam operations and high vacuum furnaces, melting, degassing and sintering, refractory metals and thick film deposition.
- Also suitable for all aspects of vacuum coating such as optics and automotive components
- UHV characteristics particularly useful for thin film, surface technology, thermonuclear and plasma physics applications

