

**DP 704 Fluid**  
**High Performance Silicone Oil**  
**for Diffusion Pumps**

**Tecnite**<sup>®</sup>  
*innovative solutions*

**Application Possibilities**

Tecnite DP 704 is a single-component silicone fluid with excellent resistance to oxidation, heat and chemicals.

Tecnite DP 704 is designed for production operations where fast pumping of large volumes of gas or vapour is required. It offers good oxidative stability and chemical resistance for high vacuums  $10^{-7}$  to  $10^{-8}$  (untrapped) and ultra high level vacuums up to  $10^{-11}$  (trapped). Silicone fluid based products will not degrade in operational conditions even when exposed to heat or intake gasses.

**Benefits**

- Suitable for a very wide range of applications
- Chemically inert, high temperature stability
- Faster pumping speeds compared to mineral oils
- Offers quick pump down even after exposure to air at operating temperatures
- Longer product life, longer service intervals
- Cleaner products require less maintenance

**Typical Product Properties - Tecnite DP 704**

	Unit	Value
Base Material		Methyl Phenyl Silicone Fluid
Color		Clear Transparent to Straw Color
Density @25°C	g/cm <sup>3</sup>	1,07
Ultimate Vacuum	Torr Untrapped	$10^{-7}$ to $10^{-8}$
Viscosity @25°C	mm <sup>2</sup> /s (cSt)	39
Flash Point	°C	221
Boiling Point @ 1013 hPa	°C	>300
Shelf Life (*)	months	60

(\*) Please refer to production data on the original container.

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## Storage / Shelf Life Information

Tecnite DP 704 may be stored up to **60** months from date of manufacture in its original unopened container. It should be noted that there are no known inherent limitations on the useful life of this product. Tecnite DP 705 should be stored in a dry cool area at temperatures under **+25C**. Please do not return any unused material to its original container.

## Package Types Available

500 ml bottles, 5 and 20 kilo pails, 200 kilo drums

## Health and Safety

Before handling it is advised to read all product information including product and material safety data sheets and customer labels for safe use. Please refer to the corresponding product material safety data sheet for additional information on this product's hazards and recommended precautions.

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee as usage, working area and application of the product in accordance with the instructions given and their success in application, is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered only as a general guideline. If at all in doubt, preliminary tests should be carried out.

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