DP 705 Fluid

High Performance Silicone Oil for Diffusion Pumps

Tecnite®
innovative solutions

Application Possibilities

Tecnite DP 705 is a single-component silicone fluid with excellent resistance to oxidation, heat and chemicals.

Tecnite DP 705 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 ultra high vacuums 10^{-9} to 10^{-10} (untrapped) and 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 705

	Unit	Value
Base Material		Methyl Phenyl Silicone Fluid
Color		Clear Transparent to Straw Color
Density @25℃	g/cm^3	1,09
Ultimate Vacuum	Torr Untrapped	10^{-9} to 10^{-10}
Viscosity @25℃	mm^2/s (cSt)	175
Flash Point	℃	243
Boiling Point @ 1013 hPa	℃	>272
Shelf Life (*)	months	60

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

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Storage / Shelf Life Information

Tecnite DP 705 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.

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