

## Hi-Tech

# SILICONE OIL 350 & 1000

## Polydimethylsiloxane Base Multipurpose Lubricant Oil

### Introduction

**Generation Four Engitech Ltd., Hi-Tech Solution** is 12 years old company standing at second largest company as Importing / Manufacturing and selling of specialized thermic fluid in India. We have our network all over INDIA and also having sales & service points at many countries registered under SAFTA . We serve friendly services to our more than 6000 customers with our world class products. We have a huge list of branded customers with few from India's fortune 500 companies.

### Description

**Hi-Tech Silicone Oil Series** is a high quality of silicone oil which is water- white, tasteless, odorless and neutral liquid. Its viscosity shows very little change with temperature variation. It exhibits minimum of change in viscosity with temperature among all types of silicone fluids. It has outstanding resistance to extreme high and extreme low temperature, maintenance of flexibility over a wide temperature range are its unique properties. With a flash point of 315°C it is ideal for use as an oil bath up to 230°C

It shows high resistance to breakdown by mechanical shearing. Therefore, it is widely used in gear wheels, bearings and brushes. It exhibits excellent dielectric properties, which help to its performance for prolonged periods of time even under varying operating conditions.



### Advantages

- Better viscosity coefficient.
- High and low-temperature stability.
- Good dielectric characteristics
- Low interfacial energy.
- Low pour point
- High surface activity
- Chemical inertness
- High compressibility

### Application

- Heat transfer media.
- Hydraulic fluids.
- Dielectrics fluids..
- Lubricants for eg treadmills.
- Mould release agents.
- Oil baths up to 230°C.
- Thermal transfer fluids.
- Water repellents.
- Polishes – car polish, tyre shines, metals, furniture.
- Antifoams.

### Technical Properties

Characteristics \ Series	Hi-Tech Silicone Oil	
	350	1000
Kinematic Viscosity @ 40 °C, mm <sup>2</sup> /s	350	1000
Flash Point, COC, °C, Min.	315	318
Melting Point., °C	-55	-53
Auto Ignition Point, °C	>400	>400
Dielectric Strength, kV/mm	16	16
Density @ 20 °C, g/cm <sup>3</sup>	0.97	0.97
Solubility in Water	Insoluble	Insoluble

All the mentioned values are typical which may vary from batch to batch.

