



# ME-350

Dimethyl Silicone Fluid(PDMS)

2024/05/24 Draft. PDS

## Description

ME-350 is a polydimethylsiloxane (PDMS) with a viscosity of 350 cps, commonly known as dimethyl silicone oil. It possesses excellent chemical inertness, allowing it to be used in most extreme working environments while maintaining superior stability. This makes it indispensable and applicable in numerous different fields.

## Storage & packaging

When stored in its originally sealed packaging at 5°C - 40°C, this product may be stored for up to 8 months from its manufacturing date. Comply with the storage instructions marked on the packaging. Once past this expiration date, TAI COUNTY CHEMICAL no longer guarantees that the product meets the sales specifications.

Product comes in 20 and 200Kg iron drums.

## Characteristics

- Excellent thermal stability
- Good fire resistance
- Good dielectric properties
- Good antioxidant properties
- Good weather resistance

## Applications

- Electromechanical industry : insulating medium with heattolerance, arc resistance, corrosion resistance, moistureresistance and dust resistance.
- Release agents : mould release of plastics, rubber and metalcastings.
- Defoamer : low surface tension and insoluble in water.Used in petroleum, chemical, medical, pharmaceutical,food processing, textile, printing and dyeing, papermakingand other industries.
- Insulation, dust-proof and mildew-proof coating : dip-coating a layer on the surface of glass and ceramics andheat treatment to form a semi-permanent waterproof,mildew-proof and insulating film.
- Additives : Additives for paints and inks to improveprinting quality.

## Properties

Appearance	Transparent Liquid
Active ingredient(%)	100.0%
Viscosity, 25°C, cps	250~450

## Safety

This document does not contain the safety information required for the product. Please read the safety data sheet for this product before use.

The data provided above is to the best of our knowledge and experience and is without any warranty. Users should thoroughly test any application and independently conclude satisfactory performance before use.

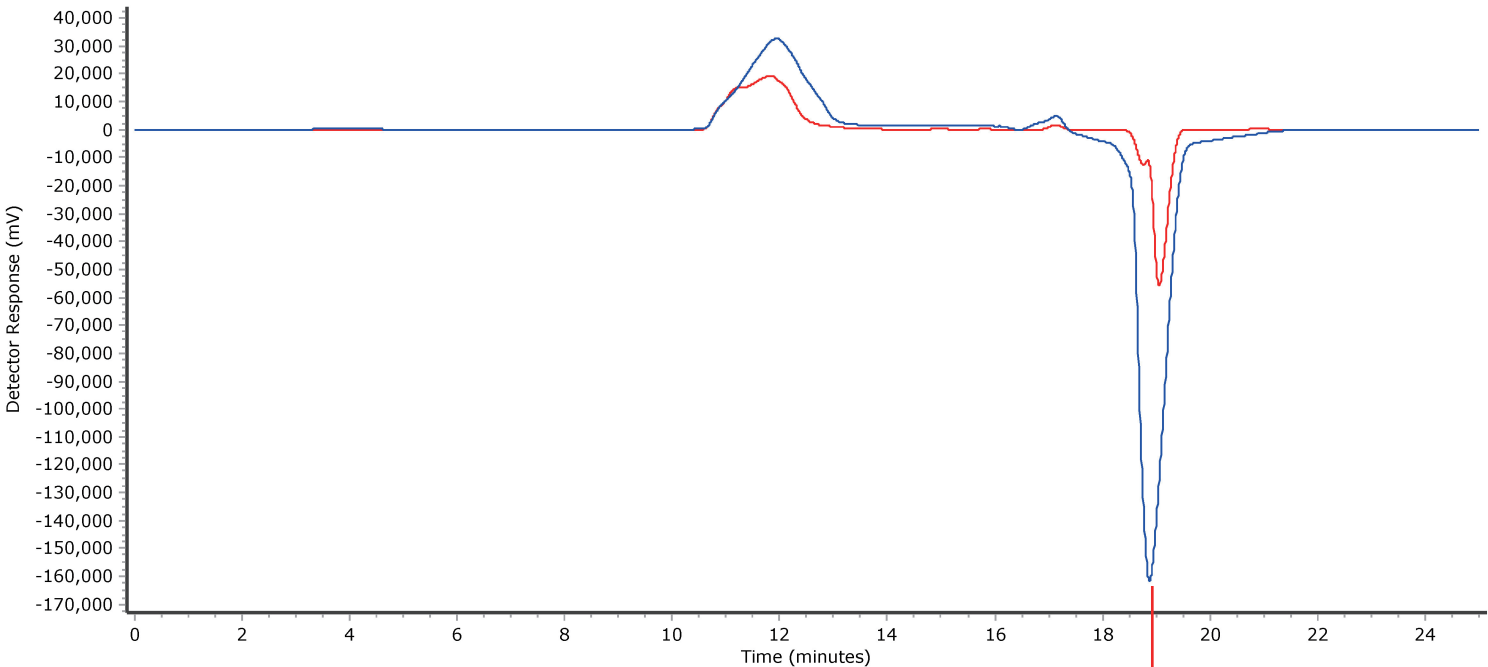
## TAI COUNTY CHEMICAL

TAIPEI Factory: NO. 91, Muscum Rd., Bali Township, Taipei County 24947, Taiwan  
 FACTORY REGISTRATION NO: 99.695614.00  
 YUNLIN Factory: NO. 1, Changqing St., Lunbei Township, Yunlin County 63745, Taiwan  
 FACTORY REGISTRATION NO: 09000892  
 Tel: 886-2-2610-4457  
 Fax: 886-2-2610-1363  
 E-MAIL : [service@taicounty.com.tw](mailto:service@taicounty.com.tw)  
[www.taicounty.com.tw](http://www.taicounty.com.tw)

Workspace Details

Workspace name	install
Location	D:\GPC\install\
Comments	
Created by	tai county at 1:53:00 PM on Monday, May 8, 2023

Chromatogram Plot



此為溶劑的訊號，請忽略  
This is the solvent signal, please ignore it

- Red紅色-Internationally Renowned Brand 國際知名大廠
- Blue藍色-ME-350

使用GPC檢測能清楚了解到合成後的分子量分布，以及合成準確率，當波峰越窄越高，代表此合成的分子量越集中，合成準確率也越好，產品會更穩定，黏度變化低，物理性質單一。

根據GPC分析，ME系列產品在合成上的品質已經能與國際知名大廠的品質，相似度高達99%。

Using GPC testing, we can clearly understand the molecular weight distribution and synthesis accuracy. The narrower and higher the peak, the more concentrated the molecular weight, indicating better synthesis accuracy. This results in a more stable product with lower viscosity variation and consistent physical properties.

According to GPC analysis, the quality of the ME series synthesis is comparable to that of internationally renowned brands, with a similarity of up to 99%.