

Quality Certified TA2474-QC

EP-35

Epoxy-Modified Silicone Fluid

2025/01/09 Draft. PDS

Description

EP-35 is a side-chain epoxy-modified silicone oil with a viscosity of 100. It can be used to enhance product reactivity, adsorption, flexibility, and release properties. It is suitable for fiber oil agents, low-stress agents for epoxy resins, automotive wax raw materials, and coating additives.

Characteristics

- Excellent thermal stability
- · Good flame resistance
- · Good dielectric properties
- · Good antioxidant properties
- · Good weather resistance
- Low viscosity variation with temperature

Properties

Appearance	Transparent liquid
Active ingredient(%)	35.0%
Viscosity, 25°C, cps	100

Safety

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

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 \ 200 kg iron drums.

Applications

- EP-35 is a reactive linear silicone oil containing epoxy side chains, which can be used to modify the physical and surface properties of various polymers.
- EP-35 can serve as a reactive silicone intermediate in the synthesis of organic silicone copolymer products.
- The epoxyalkyl functional group can react with alcohol, acid, and amine functional groups, enabling the synthesis of various organofunctional silicones.

Processing

(Depending on the actual conditions, you can adjust the usage amount.)

The information contained in this manual is given based on our current knowledge and good faith. It is indicative only and not binding, especially regarding the impact on third-party rights during product use. TAI COUNTY CHEMICAL ensures the products it sells conform to specifications. Only necessary preliminary tests can determine if a product is suitable for specific applications, and this information cannot replace such tests. Users are responsible for ensuring compliance with local legislation and obtaining necessary usage certificates and authorizations. Users are requested to check if they have the latest version of this document, and TAI COUNTY CHEMICAL is always ready to provide additional information to customers.

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