Technical Data Sheet

ChangFu® MS-EPET

Epoxy terminated polyether modified polysiloxane

Description

ChangFu® MS-EPET is a modified polymer compound that combines the advantages of polyether and polysiloxanes. The polyether segments can endow hydrophilicity and weather resistance, while the polysiloxane segments provide good hydrophobicity and resistance to high and low temperatures. In addition, the introduction of the epoxy group in the molecular chain end gives ChangFu® MS-EPET unique properties. The epoxy group is highly reactive and can cure with a variety of compounds, thereby enhancing crosslinking and properties of finished products.

Features & Benefits

Combines advantages of both polyether and polysiloxanes.
With a reactive epoxy group at the end of the molecular chain.
Able to improve the flexibility, abrasion resistance, weathering resistance, and impact resistance.

Applications

Used as a crosslinker and a modifier in architectural coatings, automotive coatings, marine coatings, and anti-corrosion coatings exhibiting protective performance and service life.
Used in adhesives and sealants for bonding and sealing a wide range of substrates such as metal, plastic, glass, wood, and more. It has excellent adhesion, water resistance, and chemical resistance, and can provide good sealing and bonding performances.
Used in electronics and electrical appliances for the preparation of packaging materials, insulating materials and thermally conductive materials for electronic components.

Typical Properties

Description	Epoxy terminated polyether modified polysiloxane
Product No.	ChangFu® MS-EPET
Appearance	Colorless to light yellow clear liquid
Active Ingredient Content	100%
Molecular Weight	Customization available

Package

Offered in 25L pails and 200L drums.
Custom packaging is available.

Storage

Stored in a cool, well-ventilated place.
Keep container tightly closed.

Transportation

See the corresponding Safety Data Sheet.