

Technical Data Sheet



Silaplane™ Mono-terminal Reactive Siloxanes FM-0815J

Features and benefits

- Designed for high filler loading
- Strong adsorption to the inorganic filler surface
- High affinity for silicone binder resin
- Narrow polydispersity and high purity

Applications

Filler Dispersant, Functional Paints, Thermal Interface Materials

Description

FM-0815J has a tri-methoxysilyl group which reacts with filler particles enabling a high affinity to silicone systems resulting in higher filler loadings at low viscosity.

Structure

Group	Chemical structure
Alkoxysilyl	

Typical Properties

FM-0815J	
Molecular Weight (M _n)	3,000
Appearance	Clear Liquid
Specific Gravity (25 °C)	0.96
Viscosity (mm ² /s ,25 °C)	20-30

Recommended usage

- For dispersant application
By mixing FM-0815J with filler and binder resins such as silicone, a uniform filler dispersion solution can be obtained. It can be obtained by either integral blend method or dry process method.
- For substrate surface treatment
Substrate surface treatment can be performed by mixing FM-0815J with a solvent, applying and heating.

Packaging

FM-0815J	
Package (Can or Drum)	1 kg, 16 kg, 180 kg

Reactive groups

- For dispersant application
Effective for dispersion of particles with OH groups on their surface, such as metal particles and metal oxide particles.
- For substrate surface treatment
Effective for surface treatment of substrates with OH groups on their surfaces, such as metals and glasses.

Solubility

Solvent	FM-0815J
Toluene	Soluble
Acetone	Soluble
THF	Soluble
Butyl acetate	Soluble
DMAC	Not soluble
Ethanol	Soluble
Methanol	Not soluble
Water	Not soluble

Storage

Please keep containers tightly closed in a dry, cool, and well-ventilated place.

Safety

SAFETY INFORMATION IS INCLUDED IN SAFETY DATA SHEET. READ SAFETY DATA SHEET AND CONTAINER LABELS BEFORE USING PRODUCTS.



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