

Mono-terminal Silaplane® For Filler Dispersant Product Line Brochure



JNC Corporation has more than 40 years history in the development and commercialization of Silicon related materials, such as Silaplane®.

JNC's Silaplane® products are reactive polydimethylsiloxane (PDMS) based polymers offered a select molecular weights. These reactive silicone materials offer the addition of silicone type properties to non-Silicone materials in a variety of industries including electronics, semiconductors, automotive, biotech, healthcare, and clean energy applications.

JNC's mono-terminal Silaplane® products are reactive toward a variety of compounds and surfaces enabling chemical and physical changes to chemicals, particle surfaces and larger surface structures.

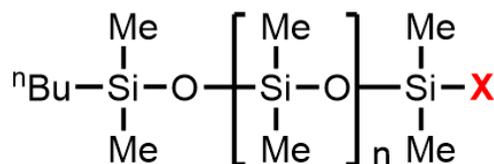
Product Features:

- Improved adsorption to the filler surface with its reactive functional group
- High affinity for silicone binder resin
- Narrow polydispersity and low level of chemical impurities

Product Benefits:

- Filler dispersion stabilization with low viscosity
- Water/Oil repellency
- Gas permeability (Oxygen, CO₂, CH₄, etc.)
- Mold releasability
- Anti-Abrasion resistance, Anti-fouling

Mono-terminal type Silaplane®



X = Functional groups

Product Table:

Mono-terminal Silaplane[®] for filler dispersant:

Grade	Group	Chemical structure	Molecular Weight (Mn)	Viscosity (mPa · s)
FM-0411	Hydroxy		1,000	10-25
FM-0421			5,000	60-80
FM-0425			10,000	140-180
FM-DA11	Hydroxy (Diol)		1,000	50-70
FM-DA21			5,000	80-160
FM-DA26			15,000	300-700

* The values in the table are typical values, not the product standard values.

Contact Information

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