

SILICON FG 350



**FORM RELEASE
LUBRICATION**



Silicone-based antifoam and mold release agent

APPLICATIONS

Antifoam

SILICONE FG 350 is a clear, water-white, polydimethylsiloxane fluid which meets the requirements for it as use as a component of antifoam agents. This fluid is a high viscosity index with excellent oxidation resistance and thermal stability. It is chemically inert with low flammability and thermal conductivity. It is shear stable and non-corrosive.

Form release

SILICONE FG 350 is a base fluid for grease for non-metallic lubrication (rubber and plastic). It may be used as a mold release agent for food packaging or as antifoam for food applications (10 ppm limit). It is used as an additive for plastics.

Other uses

Uses include – Defoaming Agent -Damping Fluid –High Temperature Bath Fluid –Heat Transfer Fluid – Mold Release Agent - Sewing Thread Lubricant.

SPECIFICATIONS

Incidental food contact

The composition of SILICONE FG-350 complies with FDA 21 CFR 178.3570
Colorless

ADVANTAGES

Performance under severe conditions

- Low odor and colorless
- Low pour point
- Extremely high autoignition temperature reduces fire hazard
- Inert to most plastics, rubbers and metals
- Extremely stable lubricant, both thermally and oxidatively under high temperature conditions reduces sludge and deposit formation.

TYPICAL CHARACTERISTICS—SILICONE FG 350	
Food Grade	Yes
Color, visual	Clear colorless fluid
Specific Gravity @ 60/60°F (ASTM D 1298)	0.973
Viscosity @ 25°C, cSt	350
Viscosity @ 40°C, cSt (ASTM D 445)	250
Viscosity index (ASTM D 2272)	400
Pour point, °F (°C) (ASTM D 97)	-58 (-50)
Flash point °F (°C) Open Cup (ASTM D 92)	637 (335)
Molecular Weight	13,700
Auto ignition temperature °F (°C) (ASTM E 659)	800 (427)

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SILICONE FG-350
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