

White Food Grease WFG-202

Description

WFG-202 is a white color, odorless, chemically stable and resist oxidation by light and moderate heat. They are designed for lubrication of electrical appliances, toys or any moving part which requires a grease with high adhesiveness and damping effect.

Properties

◇ Base	Synthetic Polymer
◇ Color, APHA, max. Photometric, haze-free	70
◇ Viscosity ASTM D2161 at 38°C (100°F), SUS	8900
◇ Solubility	Soluble in aromatic solvent, not soluble in water
◇ Electricity Properties	Electrical non conductive
◇ Operation Temperature	-20°C to 200°C
◇ Evaporation loss, 10hr at 99°C (210°F), wt.% ASTM D972	0.1

Typical Application

- ◇ To provide damping motion and hand built feel motion control on movement parts.
- ◇ Reduce vibration and with effective sealing function.
- ◇ Typical application includes CD loaders, cassette door, hi-fi, telescopes, lens, surveying and measuring equipment, binoculars, etc.

Benefits

- ◇ Safe to use, contains no toxic ingredients, considered to be no hazardous under the criteria of United States Food and Drug Administration (FDA) for use in food contact application.
- ◇ No affect to most plastic.
- ◇ Very high tacky excellent adhesiveness property, prevent lubricant fling off from plastic gears when operating at high speed by putting in special tackiness agent.
- ◇ Contains high white solids, excellent load withstanding feature which reduce wear of plastic gear.
- ◇ Reduce noise created by gears.
- ◇ Suitable for A/C and D/C motors driven gears.

Laboratory Data

The higher molecular weight grades of WFG-202 show excellent lubrication ability and friction reduction. Results of a four ball wear test are shown in table.

Four Ball Wear Test	Scar Diameter, mm	
	1 Hour	8 Hour
Mineral Oil	0.78	1.68
Silicone Oil	0.68	1.2
WFG-202	0.57	0.78