

G type: Normal

CG type: Clean

VG type: Vacuum

HG type: High Temperature

FG type: Food Industry



We also supply only grease. Volume are 20, 50, 100, 250, 500ml.

G type

(Numbering) LFD-UU-G Add "G" at the end of a model number(We enclose grease and deliver)

- Longer Life: 1.75 times Life comparing with non-lubrication
- Abbreviation of maintenance: Reduction of maintenance cost, 2 times life by periodical grease supply

	Condition	Nature		Condition	Nature		Condition	Nature
Thickener Type	/	Lithium Based Soap	Dropping Point(°C)	/	185	Oxidation Stability (MPa)	99°C×100h	0.021
Base Oil	/	Mineral oil	Evaporation(%)	99°C×22h	0.24	Mixture Stability	10 ⁶ Times Mixture Consistency	339
Kinematic Viscosity(mm ² /s)	40°C	130	Copper Corrosion	100°C×24h	Pass	Water Washout(%)	38°C×1h	1.2
Color	/	Amber	Oil Separation(%)	100°C×24h	2.8	Rust Prevention	ASTM D 1743	1
Mixture Consistency	25°C	275		40°C×18h	2.4	Applicable Temperature(°C)	/	-25~120

CG type

(Numbering) LFD-UU-CG Add "CG" at the end of a model number(We enclose grease and deliver)

- Long Life Lubricant: We selected synthetic oil that is less deteriorate and is less separation. And this grease has about 10 times as the life of general Li-soap based grease by additions.
- High Rust Proof: This grease is superior with bearing rust prevention test, humidity test and water co-existence test. Hence this grease prevent every bearing to be rusted.
- Low noise level: In the noise test, we can get low value by a special manufacturing method. And the noise is not various and is low level in low frequency area.
- Superiority at high temperature: Comparing this grease to Li based grease, this is superior at oil separation, evaporation and oxidation stability in high temperature. The lubricant life is long in high temperature.
- Superiority at low temperature: The base oil is superior at low temperature, then torque is very small in low temperature, you could use this in -40°C.

	Condition	Nature		Condition	Nature		Condition	Nature
Thickener Type	/	Lithium Based Soap	Evaporation(%)	99°C×22h	0.42	Low Temperature	Starting(-20°C)	7.4
Base Oil	/	Ester Synthetic Oil	Copper Corrosion	100°C×24h	Pass	Torque(N·cm)	Running(-20°C)	3.2
Density(kg/l)	/	0.97	Oil Separation(%)	100°C×24h	1.4	Bearing Life(hr)	Fed 150°C	2180
Mixture Consistency	25°C	231	Oxidation Stability(MPa)	99°C×100h	0.02	Rust Prevention	52°C×48h	1
Dropping Point(°C)	/	198	Water Washout(%)	79°C×1h	2.5	Applicable Temperature(°C)	/	-40~150

VG type

(Numbering) LFD-UU-VG Add "VG" at the end of a model number(We enclose grease and deliver)

The base oil is synthetic oil par fluoro ether, and thickener is fluoro resin. This is superior at low temperature, extreme pressure, chemical-proof and low volatilization. This is not mixed with organic solvents, oils and fats, therefore this grease don't influence any rubbers and plastics. Then this is superior at electric isolation. OWide applicable temperature range, Superiority to low temperature, Less various change of stiffness by temperature OSuperior to oxidation stability OSuperior to extreme pressure OSuperior to chemical-proof ONo influence over rubbers and plastics OSuperior to electric isolation OLow evaporation, low volatilization O Mixable to only high fluorination organic solvents and fluorination oils, but not to other organic solvents and oils OSuits to environment required extreme cleanliness

	Condition	Nature		Condition	Nature		Condition	Nature
Thickener Type		Fluoro Resin	Evaporation (%)	99°C×22h	0.0	Oxidation Stability (MPa)	99°C×100h	0.0
Base Oil		PFE	Oil Separation	100°C×24h	3.0	Low Temperature	Starting (-40°C)	4.5
Density (kg/l)	25°C	1.95	(%)	200°C×24h	11.0	Torque(N·cm)	Running (-40°C)	2.0
Penetration	25°C	280	Four-Ball Wear-Test (MPa)	Room Temperature 200rpm	1.15	Applicable Temperature(°C)		-65 ~ 200

HG type (Numbering) LFD-UU-HG Add "HG" at the end of a model number(We enclose grease and deliver)

The base oil is synthetic hydrocarbon oil, and thickener is Diurea. This is quite superior at high temperature.

	Condition	Nature		Condition	Nature		Condition	Nature
Thickener Type		Diurea	Dropping Point(°C)		260 or over	Water Washout(%)	38°C×1h	1
Base Oil		Synthetic hydrocarbon	Evaporation (%)	99°C×22h	0.21	Low Temperature	Starting (-30°C/-40°C)	25/40
Kinematic Viscosity(mm ² /s)	40°C	47.6	Copper Corrosion	100°C×24h	Pass	Torque (N·cm)	Running (-30°C/-40°C)	4.5/7.8
Color		Light brown	Oil Separation (%)	100°C×24h	0.4	Applicable Temperature(°C)		-40 ~ 200
Penetration	25°C	220	Oxidation Stability (MPa)	99°C×100h	0.010			

FG type (Numbering) LFD-UU-HG Add "FG" at the end of a model number(We enclose grease and deliver)

NSF H-1 Registered: Lubricants for Total Food and Beverage Plant

Formulated with clear water-white, non-toxic, USP white oils that comply with FDA Regulation 21 CFR 172.878.

Formulated with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental food contact.

Excellent stability helps retard softening of grease during high shear mechanical action often experienced in high speed filling and packaging machinery.

High temperature stability and oxidation resistance. Excellent resistance to water washout.

	Condition	Nature		Condition	Nature		Condition	Nature
Thickener Type		Aluminum Complex	Dropping Point(°C)		238	Rust Prevention	ASTM D 1743	Pass
Base Oil		White mineral oil	Base Fluid Viscosity(cSt)	40°C	238	Water Washout(%)	ASTM D 1264	< 6
Penetration	25°C	310	Oxidation Stability(psi)	100h	2.0	Applicable Temperature(°C)		-12~177

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