

Slide and Plain Bearing Lubricants



Syn-Tech Ltd. mechanical lubricants can dramatically increase the performance of your mechanism by providing longer lasting, quieter operation over wider temperature ranges. Syn-Tech Ltd. supplies a wide range of synthetic based greases and oils proven to increase the life of your mechanism while reducing service intervals and customer down time.

Slides and Plain Bearings

Bearing antiwear and coefficient of friction reduction are often primary characteristics to consider when choosing a bearing lubricant. Synthetic fluid based oils and greases usually perform best in thin film applications when a wide temperature range is required. The following table lists our more popular slide and plain bearing lubricants.

Product	Description	Typical Application	Temp. Range C°
NS-311-G	Synthetic Hybrid Lithium Complex Soap Thickened	High temperature grease designed to provide excellent antiwear with reduced friction on high temperature hinges and bearings. Exhibits high static "stay in place" stability by not slumping and migrating at elevated temperatures. NLGI 2.	-30 to 190
NS-711-G	Synthetic Hybrid Lithium Soap Thickened	Synergistic blend of base fluids provides enhanced metal wetting for long life friction reduction and antiwear. Mild EP for boundary layer lubrication conditions on steel components. NLGI 2.	-54 to 140
NS-1705-G	Silicone Fumed Silica	A medium viscosity silicone based, PTFE enhanced grease formulated for applications requiring damping, stick-slip reduction and noise control properties. Excellent anti-wear for plastic to plastic or metal to plastic and other lightly loaded mechanical interfaces.	-50 to 150
NS-1802-G	PAO Li Soap Thickened	Provides smooth feel to plastic on plastic and plastic on metal sliding interfaces while providing corrosion protection for nonferrous metals. This product exhibits excellent mechanical stability and extremely low fluid migration, with low evaporation at high temperatures. Lower friction and anti-wear at higher temperatures are also exhibited.	-40 to 150
NS-3813-G	PAO Calcium Sulfonate Complex Thickener	A food grade (NSF H1) synthetic hydrocarbon based grease with a calcium sulfonate complex thickener. This product provides high load carrying performance and reduced component wear with excellent corrosion protection for bearings and gears. NLGI 1.	-40 to 190
NS-9797-G	PAO Li Soap Thickened	For application requiring high mechanical lubricity, low friction, excellent oxidation and thermal stability, smooth feel and damping. Contains PTFE for excellent low frictional properties. Applications include low to medium load gearboxes, cables, screw actuators, sliding interfaces and similar applications. NLGI 1.	-40 to 149
NS-10895-G	PAO Li Soap Thickened	For applications requiring a lubricant with low drag, damping and noise control properties. Formulated with EP, antiwear, rust and corrosion protection for use in low and high temperature requirements. Applications include sliding track lubrication, light duty gearboxes, bearings, cables and plastic gears. NLGI 2.	-40 to 135
NS-62320-H	PFPE Hybrid Thickener	Designed to lubricate at temperatures up to 275°C in applications requiring an NSF H1 approved grease for incidental food contact. Formulated with a high viscosity PFPE base oil to protect ferrous metals against rust. Extremely stable in the presence of oxygen.	-50 to 275

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Our Expertise Syn-Tech Ltd.'s product line has evolved products that satisfy applications of many types. Experience and in-house testing facilities have generated the knowledge to create and modify new and existing products to perform under rigorous demands. Contact our offices for assistance in lubricant selection.