

Synthetic Hydrocarbon Damping Lubricants



Mechanical damping greases are used to provide motion control, noise reduction and smooth feel between moving parts ensuring quiet mechanical operation and smooth action. Properly selected damping greases solve your design problems by retaining damping qualities over the operating temperature range of the application, resisting internal shear, friction reduction and reduction of wear between moving parts. These enhanced qualities extend service life of the mechanism.

Damping greases are properly selected based on the specific design problem and the degree of damping required. The base oil viscosity, additives, and thickeners control the degree of damping. Other design considerations should include material compatibility, operating temperature range and cost.

The 50000 series damping greases were developed by Syn-Tech Ltd. to provide a smooth feel to mechanisms such as sliding or rotating switches, optical equipment such as surveying sights and microscopes, or any device that needs motion control, noise damping, or a “quality” feel. Formulated using the highest quality “plastics friendly” synthetic hydrocarbon fluids and non-melting thickener to meet a wide range of damping requirements and operating temperatures, the 50000 series of greases is versatile in that they also provide antiwear, E.P., and corrosion protection. They are also available with PTFE or molybdenum disulfide for enhanced “smooth feel”. Custom viscosities and colors are available upon request.

	NS-50010-G	NS-50050-G	NS-50100-G	NS-50150-G	NS-50300-G	NS-50600-G	NS-51000-G
	Low	Damping Level					High
Fluid Properties							
Viscosity @ 40°C	64	410	895	1,425	3,200	6,050	12,000
Viscosity @ 100°C	10	50	100	150	300	600	1,000
Viscosity Index	137	185	206	220	245	294	305
Flash Point (°C)	>220	>220	>220	>220	>220	>220	>220
Pour Point (°C)	-55	-48	-45	-42	-30	-21	-15
Grease Properties							
Worked Penetration 60 Double Strokes	305	268	275	275	275	268	272
Oil Separation, 24 Hrs. @100°C	4.5	2.1	2.7	2.5	1.6	1.0	.4
Dropping point (°C)	>260	>260	>260	>260	>260	>260	>260

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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.