

50000 Damping Grease Series

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 on request.

Characteristics

- Provide “smooth feel”
- Reduces component noise
- Temperature ranges from –50°C to 175°C
- Excellent plastics compatibility
- Antiwear, E.P., and corrosion protection
- Color – Light amber

Typical Properties

	NS-50010-G	NS-50050-G	NS-50100-G	NS-50150-G	NS-50300-G	NS-50600-G	NS-51000-G
	Low	← Damping			→		High
Base Fluid Properties							
Viscosity, cSt @ 40°C	64	410	895	1425	3200	6050	12000
Viscosity, cSt @ 100°C	10	50	100	150	300	600	1000
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

3/02 Rev5

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