

# NS-50100-G

## Medium Viscosity Damping Lubricant

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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.

NS-50150-G provides consistent low viscosity damping over a temperature range of -40°C to 125°C (-40°F to 257°F).

### Characteristics:

- High mechanical stability
- Medium mechanical damping
- Provides "smooth feel" and controlled motion
- Quiets component noise
- Protects against EP/Antiwear damage to ferrous metals
- Wide operating temperature range of -40°C to 125°C
- Low migration

### Typical Properties

Color	Light Yellow
Thickener	Inorganic
NLGI grade	2
Penetration, ASTM D217, worked, 60 DS	285
Dropping point, ASTM D2265, °F(°C) min.	>500(260)
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	1
Specific Gravity, 77°F	.77

### Typical Base Fluid Properties

Base fluid	PAO
Viscosity, ASTM D445 @ 40°C, cSt	917
Viscosity, ASTM D445 @ 100°C, cSt	100
Viscosity Index	203
Pour point, ASTM D97, °C(°F)	-43(-45.4)
Flash point, ASTM D92, °C (°F)	265(509)

### Material Compatibilities:

Compatible with most engineering plastics including ABS and polycarbonate. Not for use with Buna S, Butyl, EPDM, EPR, or natural rubber elastomers. Check with material manufacturer or Syn-Tech concerning compatibility.

07/18 Rev. 0

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