

# NS-50050-GT

## Synthetic Damping Grease - PTFE Enhanced

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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, extreme pressure and corrosion protection.

NS-50050-GT provides consistent low viscosity damping over a temperature range of -55°C to 125°C (-67°F to 257°F). It is PTFE enhanced for improved friction reduction and smooth breakaway.

### Characteristics:

- PTFE enhanced
- High mechanical stability
- Light mechanical damping
- Provides "smooth feel" and controlled motion
- Quiets component noise
- Protects against EP/Antiwear damage to ferrous metals
- Wide operating temperature range of -55°C to 125°C
- Low migration

### Typical Properties

Color	Light Yellow
Thickener	Silica
NLGI grade	2
Penetration, ASTM D217, unworked	273
Penetration, ASTM D217, worked, 60 DS	281
Dropping point, ASTM D2265, °F(°C) min.	>500(260)
Copper corrosion, ASTM D4048, 24 hrs. @ 100°C	1a
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	2
Evaporation Loss, ASTM D972, 24 hrs., 100°C, %	<0.5

### Typical Base Fluid Properties

Base fluid	PAO
Viscosity Index, ASTM D2270	188
Viscosity, ASTM D445 @ 40°C, cSt	404
Viscosity, ASTM D445 @ 100°C, cSt	50
Flash point, ASTM D92, °C	264
Pour point, ASTM D97, °C	-55

### 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.

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