

NS-9797-G

PTFE Fortified Synthetic Grease

A general purpose synthetic grease designed for applications requiring high mechanical lubricity and low friction with an operating temperature range down to -40°F(-40°C). High mechanical stability, low capillary action, excellent oxidation and thermal stability are exhibited by this product. The addition of PTFE enhances low frictional and load carrying properties. Imparts 'smooth feel' and mechanical damping for in cabin vehicle controls. Possible applications include gears, bearings, cables, screw actuators and sliding interfaces.

Characteristics:

Improved 'smooth feel' for mechanical applications
Operating temperature range of -40°F(-40°C) to +300°F(149°C)
PTFE fortified
Low evaporation
High E.P. and anti-wear properties
Water resistance

Typical Properties

Color	Green
Thickener	Li Soap
NLGI grade	1
Penetration, ASTM D1403, worked, 60 Ds	320
Dropping point, ASTM D2265, °F(°C) min.	491(255)
Oil Separation, FTM 321.3, 24 hrs. @ 212°F, %	5
Low Temp. Torque, ASTM D1478, start @ -40°C,g-cm(N-m)	1918 (188)
10 min	1210 (118)
1 hr.	442 (43)
4-Ball Wear, ASTM D2266, average wear scar,mm	0.49
Evaporation Loss, ASTM D972, 22 hrs., 100°C, %	.34

Typical Base Fluid Properties

Base fluid	PAO
Viscosity, ASTM D445 @ 40°C, cSt	529
Viscosity, ASTM D445 @ 100°C, cSt	56

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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1550F W. Fullerton Ave.
Addison, IL 60101 USA
(630) 628-7290
www.syn-techlube.com

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