

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. Added 'smooth feel' and mechanical damping allow for use in small mechanisms, cables, screw actuators and sliding interfaces. The addition of PTFE enhances low frictional properties.

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

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	.49
Evaporation Loss, ASTM D972, 22 hrs., 100°C, %	.34
Thickener	Li Soap
Color	Green

Typical base fluid properties

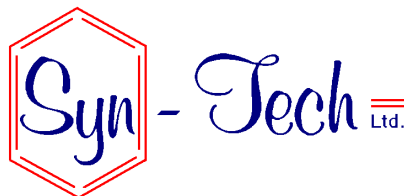
Base fluid	Synthetic
Viscosity, ASTM D445 @ 40°C, cSt	529
Viscosity, ASTM D445 @ 100°C, cSt	56

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.

02/03 Rev.4

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