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P.O. Box 131359 • Tyler, CR 2120, Texas 75713, Phone 903.534.8021 • Fax 903.581.4376

Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of July 1, 2008.

SYNTHETIC GEARS / BEARINGS

SYNGEAR PG SERIES

Summit Syngear PG Series synthetic lubricants are polyglycol-based products for use in enclosed gear, bearings, and compressors where conditions demand the unique properties of these fluids. Better wear protection, thermal and oxidation stability, and reduced sludge and deposit formation insure enhanced performance when compared to petroleum-based lubricants.

The Syngear PG Series lubricants are incompatible with petroleum oils. Care should be taken to make sure the two types of fluids are not mixed.

Physical Properties

| PRODUCTS | PG-220 | PG-320 | PG-460 | PG-680 | PG-1000 |
|----------------------|----------|----------|----------|----------|----------|
| ISO Grade | 220 | 320 | 460 | 680 | 1000 |
| Viscosity | | | | | |
| @ 40°C, cSt | 237 | 314 | 441 | 654 | 1000 |
| @ 100°C, cSt | 42.9 | 55.7 | 76.6 | 111 | 162.0 |
| @ 100°F, SUS | 1191 | 1580 | 2224 | 3312 | 5072 |
| @ 210°F, SUS | 206 | 266 | 366 | 532 | 774 |
| Viscosity Index | 238 | 245 | 255 | 268 | 280 |
| Specific Gravity | 1.052 | 1.054 | 1.056 | 1.057 | 1.056 |
| Flash Point, °F (°C) | 510(266) | 520(271) | 530(277) | 525(274) | 525(274) |
| Pour Point, °F (°C) | -25(-32) | -25(-32) | -20(-29) | -20(-29) | -20(-29) |

Thermal Characteristics:

Specific Heat

Cal/g-°C
60°C = 0.48
80°C = 0.49
100°C = 0.51

Thermal Conductivity

BTU/Hr/(Ft °F)
100°F = 0.095
200°F = 0.090