



Permawick Company

3110 Permawick Drive, Columbus, Indiana 47201

Phone: 812-376-0703 • Fax: 812-372-1410

sales@permawick.com

www.permawick.com

PWS110PG and PWS110NP

REV. #1

REV. DATE: July 16, 2015

PWS110PG and PWS110NP

DESCRIPTION

PERMAWICK PWS110 gel and wick have been formulated especially for **extremely high temperature** applications. **PWS110 gel and wick is made from high temperature silicone oil enhanced with special high temperature additives to increase the oils useful life.** In addition these lubricants provide protection against oxidation and corrosion. PERMAWICK PWS110PG and PWS110NP is designed to be placed around sintered metal bearings where it can be utilized at temperatures up to 220°C. PWS110 also provides excellent chemical compatibility and low flammability.

PRODUCT FEATURES

- Extremely high temp applications not tolerated by Esters or PAO's
- Very long life
- Low evaporation
- Shear stable
- Low pour points and high viscosity index indicate excellent low temperature flow properties and therefore continued protection during periods of both low and high temperature operation.
- Cost effective choice to PFPE based oils.

Performance Test PermaGel

| | <u>ASTM Method</u> | <u>Typical</u> |
|-----------------------------|--------------------|---------------------|
| Specific gravity | D1298 | 1.2 |
| Color | D1500 | Clear reddish brown |
| Appearance | | Translucent Gel |
| Flash Point, °C | D92 | 280 |
| Refractive Index (base oil) | | 1.44 |
| Upper service Temp, °C | D97 (mod) | 220 |
| Lower Service Temp, °C | D97 (mod) | -55 |
| Consistency | D217 | NLGI #2 |

Performance Test Permawick

| | <u>ASTM Method</u> | <u>Typical</u> |
|------------------------|--------------------|---------------------------|
| Color | D1500 | grayish to brownish white |
| Appearance | | fibrous, oily |
| Flash Point, °C | D92 | 280 |
| Upper service Temp, °C | D97 (mod) | 220 |
| Lower Service Temp, °C | D97 (mod) | -55 |
| Oil % by weight | In-House | 84(±1.0%) |
| Machine Injectable | In House | Pass |