



## PermaWick Company

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PD P2AO 350NP

REV. #5

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## P2AO350NP and Oil

PAO based synthetic lubricant for Sintered Metal Bearings

### DESCRIPTION

PERMAWICK P2AO350 OIL is especially developed for plastic compatibility for use in the fractional horsepower electric motor industry. This lubricant possesses extremely long service life and resists any leakage or washing away that could cause dry running. Low pour point and high viscosity index provide superior low temperature fluidity.

PERMAWICK P2AO350 OIL is hydrolytically stable oil with remarkable thermal and chemical stability and has a wide use range of -40 to 125°C.

### PRODUCT FEATURES

- Oxidation and corrosion resistant
- Reduced rate of change of viscosity with temperature change
- Separates easily from water
- Mixes with conventional mineral oils
- Reduces friction and wear
- Will not lose lubricating characteristics when contaminated

| <u>PERFORMANCE TEST (Oil)</u> | <u>ASTM<br/>METHOD</u> | <u>TYPICALS</u> |
|-------------------------------|------------------------|-----------------|
| ISO VG                        | D2422                  | 68              |
| Gravity, API                  | D1298                  | 37.56           |
| Specific Gravity              | D1298                  | 0.8373          |
| Color                         | D1500                  | <1.0            |
| Flash Point, °C               | D92                    | 232             |
| Fire Point, °C                | D92                    | 270             |
| Pour Point, °F                | D97                    | -57             |
| Viscosity, cSt                | D445                   |                 |
| 40 °C                         |                        | 67.88           |
| 100 °C                        |                        | 10.59           |
| Viscosity Index               | D2270                  | 144             |
| Neutralization No., mg KOH/g  | D664                   | 0.01            |
| Copper Strip Corrosion        | D130                   |                 |
| 3 hours @ 100°C               |                        | 1B (min)        |
| Evaporation Loss, wt. %       | D972                   |                 |
| 22 hours @ 100 °C             |                        | 0.1             |

### PERMAWICK BLEND

|                        | <u>METHOD</u> | <u>TYPICALS</u> |
|------------------------|---------------|-----------------|
| Fiber content (Weight) | In-house      | 14% – 19%       |
| Oil Content (weight)   | In-House      | 86% - 81%       |
| Moisture Content       | D95           | <1.6%           |