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**An ISO9001 Certified Company**  
 PD P2AO 550  
 REV. # 3  
 REV. DATE: May 30, 2017

**P2AO550 OIL**  
**PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS**

**DESCRIPTION**

PERMAWICK P2AO550 OIL is formulated with polyalphaolefins in conjunction with specifically selected additives to produce a plastic compatible lubricant excelling in hydrolytic, thermal and chemical stability.

PERMAWICK P2AO550 OIL is a lubricant of choice for the fractional horsepower electric motor industry with an operating range of -45 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

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Gravity, API	D1298	35.2
Specific Gravity	D1298	0.8488
Color	D1500	<2.0
Flash Point, °F (°C)	D92	450 (232)
Fire Point, °F (°C)	D92	525 (274)
Pour Point, °F (°C)	D97	-55 (-48)
Viscosity, cSt. 40°C	D445	109.3
100°C		14.2
Viscosity, SUS 100°F	D88	550
210°F		78.1
Viscosity Index	D2270	142
Neutralization No., mg KOH/gm	D664	0.01
Copper Strip Corrosion		
3 hours @ 100°C	D130	1a
Evaporation Loss, % mass, grams		
22 hours @ 98.9°C	D972	0.4

**The World Leader in Fractional Horsepower Motor Lubrication**

**PermaWick Product Data Sheet**