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**An ISO9001 Certified Company**

PD P2AO 650 PermaWick

REV. # 4

REV. DATE: April 22, 2020

## **P2AO650 OIL AND PERMAWICK**

### **PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS**

#### **DESCRIPTION**

P2AO650 OIL is formulated with Polyalphaolefins in conjunction with specifically selected additives to produce a plastic compatible lubricant excelling in hydrolytic, thermal and chemical stability.

P2AO650 OIL is a lubricant of choice for the fractional horsepower electric motor industry with an operating range of -30 to 125°C.

#### **PRODUCT FEATURES**

- Extremely long life
- High viscosity index and low pour point
- Separates readily from water
- Mixes with conventional mineral oils
- Oxidation and corrosion resistance
- Reduced friction and wear

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Gravity, API	D1298	36.2
Specific Gravity	D1298	0.844
Color	D1500	0.5
Flash Point, °C	D92	262
Fire Point, °C	D92	>300
Pour Point, °C	D97	-48
Viscosity, cSt. 40°C	D445	134.2
100°C		16.6
Viscosity, SUS 100°F	D88	645
210°F		90
Viscosity Index	D2270	133
Neutralization No., mg KOH/gm	D664	0.01
Copper Strip Corrosion		
3 hours @ 212°F	D130	1b
Evaporation Loss, % mass, grams		
22 hours @ 210°F	D972	0.3
<b><u>PermaWick Blend</u></b>		
Fiber Content (Weight)	In-House	14%-19%
Oil Content (Weight)	In-House	86%-81%
Moisture Content	D95	<1.6%

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