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**An ISO9001 Certified Company**  
 PD P2AO 111PG  
 REV. # 3  
 REV. DATE: May 25, 2017

**P2AO111PG PERMAGEL**  
**PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS**

**DESCRIPTION**

P2AO111 Permigel is formulated from carefully selected Polyalphaolefins and additives in order to produce a lubricant that is thermally and chemically stable.

This product can be used in low temp freezer motors, automotive HVAC to -40°C, power tools and where low torque start-up is needed.

**PRODUCT FEATURES**

- Long service life
- Low torque start up
- Corrosion and oxidation resistant
- Plastic compatible
- Soluble in mineral oils
- Low pour and high viscosity indicate excellent low temperature fluidity characteristics
- Useful temperature range: -40°C to 115°C

<b><u>Performance Test: Permigel</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Base Oil		P2AO 111
Pentration (60 strokes, 25°C)	D217	NLGI #3
Color	Visual	Translucent Brown
Drop Point	D566	Without
Density		0.93
Copper Corrosion @ 100°C	D4048	1b
Pounds/Gallon		7.75
Structure		Homogenous

<b><u>Performance Test: Base Oil</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Specific Gravity	D1298	0.8246
Flash Point, °C	D92	230
Pour Point, °C	D97	<-65
Viscosity, cSt. 40°C	D445	20.62
100°C		4.45
Viscosity Index	D2270	130
Neutralization No., mg KOH/gm	D664	0.07
Evaporation Loss, % mass, grams 22 hours @ 210°F	D972	0.40
Rust Protection 55°C, 48 hours, 95% humidity	D1748	Pass

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