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**An ISO9001 Certified Company**

PD PSL300NP

REV. # 4

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**PSL300-NP-845**

**Diester Based Synthetic Lubricant for Sintered Metal Bearings**

**DESCRIPTION**

PSL300-NP-84.5 OIL is an optimized synthetic diester lubricant consisting of a fiber/oil blend formulated to resist gumming and rpm fluctuations and minimize wear. High viscosity index and low pour point indicate excellent low temperature fluidity (-35°C) while providing protection at high temperatures (150°C).

PSL300 OIL offers protection and reliability over the widest useful temperature range

**PRODUCT FEATURES**

- Excellent oxidation resistance and corrosion protection
- Very low evaporation rate
- Moderate load carrying
- Reduces friction for low-wear rates
- Outstanding film strength
- Plastic compatible

**APPLICATIONS**

- Office, business and computer equipment
- Impregnating fluid for powdered metal bearings, parts and wicks
- Anti-friction bearings
- Wire extrusion oil
- Measuring and dispensing pumps and meters
- Mechanical spring and actuator mechanisms
- General purpose medium viscosity lubricant

<b>Performance Test</b>	<b>Test Method</b>	<b>Typical</b>
ISO VG	D2422	68
Specific Gravity	D1298	0.92
Flash Point, °C	D97	261
Pour Point, °C	D92	-55
Viscosity, cSt @ 40°C	D445	58.5
Viscosity, cSt @ 100°C	D445	11.4
Viscosity, cSt @ -30	D445	8000
Viscosity Index	D2270	191
Copper Corrosion, 24 hrs @ 100°C	D130	1a
Four Ball wear, 1200rpm, 75°C, 40Kg, 1hour, mm	D2266	0.8
Four Ball EP Weld Point, Kg	D2783	100

<b>Permawick Blend</b>	<b>Method</b>	<b>Typical</b>
Fiber Content (Wt)	In-House	14.5% – 16.5 %
Oil Content (Wt)	In House	83.5% - 85.5%
Moisture (%)	ASTM D95	<1.6%