



255 East Brown street, Ste. 100 Birmingham, MI 48009

Phone: 248-433-3500 Fax: 248-594-3433

Email: [sales@permawick.com](mailto:sales@permawick.com)

<http://www.permawick.com>

PD P2AO 550PDG-LT

REV. # 1

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## P2AO550PDG-LT (Permawick Damping Gel) PAO Based Synthetic Damping Gel

### DESCRIPTION

PERMAWICK P2AO550-PDG-LT is formulated with polyalphaolefins and a small amount of tackifier in conjunction with specifically selected friction reducing additives to produce a plastic compatible damping gel excelling in hydrolytic, thermal and chemical stability.

P2AO550PDG is a damping gel designed to give the user quiet operation, quality feel and improved motion control in a wide variety of applications. Examples include gear trains, rotating dimmer switches, actuators and automotive switches with an operating range of -45°C to 130°C.

### PRODUCT FEATURES

- Oxidation and corrosion resistant
- Minimum Tackifier allows gel to adhere to components + injects easier
- Reduces the amount mechanical noise and vibration
- Separates easily from water
- Gives quality feel to end product
- Reduces friction and wear
- Will not lose lubricating characteristics when contaminated

Performance test (Base Oil)	ASTM Method	Typical Value
Specific Gravity	D1298	0.850
Color	D1500	<2.0
Flash Point, °C	D92	232
Pour Point, °C	D97	-48
Viscosity @ 40°C	D445	109.3
Viscosity @ 100°C	D445	14.2
Viscosity index	D2270	142
Neutralization Number	D664	0.01
Copper Corrosion, 3hrs @ 100°C	D130	1A
Evaporation, wt. %, 22hours, 98.9°C	D972	0.4

Performance test (PermaGel)	ASTM Method	Typical Value
Base Oil		P2AO500
Cone Penetration	D130	NLGI #3
Color	D1500	Yellow Translucent
Drop point, °C	D556	230
Density, g/cm <sup>3</sup>	In -House	1.00
Copper Corrosion @ 100°C	D4048	1B
Pound/gallon	D445	8.26
Structure	Visual	Homogenous