



255 East Brown Street, Ste 100, Birmingham, MI, 48009
 Phone: 248-433-3500 • Fax: 248-433-1824
 Email: sales@permawick.com
<http://www.permawick.com>

PDM 27
 REV. # 1
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PDM 27 Thermal Silicone Fluid

PolyDiphenyl-Dimethyl Siloxane bearing Lubricant

DESCRIPTION

PERMAWICK PDM OILS are formulated especially for **extremely high temperature** applications. Thermal silicone fluids provide protection against oxidation, corrosion and wear. PERMAWICK PDM 27 oil carries greater loads under a wider temperature range than any traditional silicone lubricant. PDM 27 also provides excellent chemical compatibility, low flammability and low toxicity.

PERMAWICK PDM27 oil provides the ULTIMATE in performance for sintered bearings and is definitely the "INDUSTRY STANDARD" in bearing lubrication.

PRODUCT FEATURES

- Extremely high temp applications not tolerated by Esters or PAO's
- Very long life
- Low evaporation
- Shear stable
- Low pour points and high viscosity index indicate excellent low temperature flow properties and therefore continued protection during periods of both low and high temperature operation.
- Better anti-wear protection versus traditional Silicones
- Life expectancy at 250°C is 1500 to 2000hrs

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Specific gravity	D1298	1.05
Color	D1500	Clear and colorless
Flash Point, °C	D92	280
Ignition temp °C	D92	484
Pour Point, °C	D97	-40
Viscosity, Cst. 25°C	D445	160 - 230
100°C		26 - 28
Viscosity Index	D2270	230 min.
Four ball wear test 75°C 40Kg, 1hr, mm	D4172	1.8

Permawick Product Data Sheet

