

## PIO

### *Polyisobutylene In Oil*

## HIGH TEMPERATURE LUBRICANTS

**PIO High Temperature Lubricants** provide excellent lubrication at temperature of 400<sup>0</sup>F or higher. Unlike conventional lubricants, these high temperature lubricants do not thin out excessively at extreme temperatures. **PIO** lubricants cling tenaciously under high temperature to the surface to which it is applied. At temperatures high enough to cause thermal decomposition of conventional oils, **PIO** lubricants slowly disappear completely, leaving no residue. These unique properties allow **PIO** lubricants to function in a variety of applications including:

- Kiln car bearing
- Annealing oven and baking oven bearings
- Working parts of die casting machines
- Glass making machines
- Welding flux base

### **PIO & COLLOIDAL GRAPHITE**

Each grade of **PIO** is available with colloidal graphite added. Identified as **PIO-DO**, these blends have the same physical properties as their respective **PIO** grades, except the graphite is not affected by extreme temperatures and continues to provide lubrication in the absence of oil.

<b>Properties</b>	<b>PIO</b>	<b>PIO-82</b>	<b>PIO-1036</b>	<b>PIO-36</b>
<b>Active Polymer</b>	Polyisobutylene	Polyisobutylene	Polyisobutylene	Polyisobutylene
<b>Diluent</b>	Mineral Oil	Mineral Oil	Mineral Oil	Mineral Oil
<b>Flash Point</b>	204 <sup>0</sup> C/400 <sup>0</sup> F	204 <sup>0</sup> C/400 <sup>0</sup> F	204 <sup>0</sup> C/400 <sup>0</sup> F	204 <sup>0</sup> C/400 <sup>0</sup> F
<b>TCC</b>				
<b>Viscosity @ 100<sup>0</sup>C</b>	3000 cps.	5500 cps.	5750 cps.	7750 cps
<b>Color</b>	Water Clear	Water Clear	Water Clear	Water Clear



**Nonwarranty** - The information and recommendations made herein are based on our own research and / or the research of others and are believed to be accurate. However, nothing herein is to be taken as a warranty, expressed or implied, regarding the accuracy of the information or the use of our products. Purchasers should make their own tests to determine the suitability of such products for their practical purposes. Nothing contained herein shall be construed to be a recommendation to user or as a license to operate under or to infringe any existing patents.