

PIO

Polyisobutylene In Oil

HIGH TEMPERATURE LUBRICANTS

PIO High Temperature Lubricants provide excellent lubrication at temperature of 400⁰F 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.

Properties	PIO	PIO-82	PIO-1036	PIO-36
Active Polymer	Polyisobutylene	Polyisobutylene	Polyisobutylene	Polyisobutylene
Diluent	Mineral Oil	Mineral Oil	Mineral Oil	Mineral Oil
Flash Point TCC	204 ⁰ C/400 ⁰ F	204 ⁰ C/400 ⁰ F	204 ⁰ C/400 ⁰ F	204 ⁰ C/400 ⁰ F
Viscosity @ 100⁰C	3000 cps.	5500 cps.	5750 cps.	7750 cps
Color	Water Clear	Water Clear	Water Clear	Water Clear

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