**MicroPoly** is manufactured using PhyMet's proprietary processing which creates a solid lubricant with an oil-filled microporous structure. PhyMet fills customer supplied bearings with MicroPoly and processes them to produce a solid lubricant within the bearing. MicroPoly lubricants are available in a variety of formulations, including industrial, high temperature, high speed and food grade products. MicroPoly is the only microporous solid lubricant to receive NSF approval for use in food processing applications.

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**MicroPoly Lubrication for Bearings**

- Cut maintenance costs and downtime
- Keep contaminants out of bearings
- Prolong bearing life
- Improve housekeeping by minimizing or eliminating the dripping of grease and oil

**Typical Industries**

- Agriculture
- Automotive
- Food & beverage
- Mining & lumber
- Paper & packaging
- Printing
- Metal processing & foundries
- Utilities
MicroPoly is a solid lubricant that is a mixture of polymers, oils, and other additives that can be customized for your specific lubrication requirements. MicroPoly can be cast, extruded, and injection molded into a variety of shapes. MicroPoly is not a load bearing material. Instead it is an innovative way to deliver lubrication. The MicroPoly solid profiles have a reservoir of oil in the microporous network. The oil migrates to the MicroPoly’s surface by capillary action and covers any surface the MicroPoly touches.

**MicroPoly Lubrication**
- No need to re-lubricate
- Clean, non-drip method of lubrication
- Cut maintenance costs and downtime
- Improve housekeeping by minimizing or eliminating the dripping of grease and oil
- Standard sizes and shapes available
- Custom designs can be made to order

**Typical Applications**
- Linear bearings
- Replacement for felt lubrication
- Conveyor chain guide lubrication kits
- Gear lubrication
- Overhead crane flange lubrication** (patent pending)
- Ball screws
- MicroPoly sprockets
- Business machinery lubrication

www.micropoly.com