MicroPoly®
The solid idea for lubrication

MicroPoly® Lubricants

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.

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

www.micropoly.com

PhyMet, Inc. 75 North Pioneer Blvd • Springboro, Ohio 45066
(800) 8PHYMET • (800) 874.9638 • (937) 743.8061 • F (937) 568-6743

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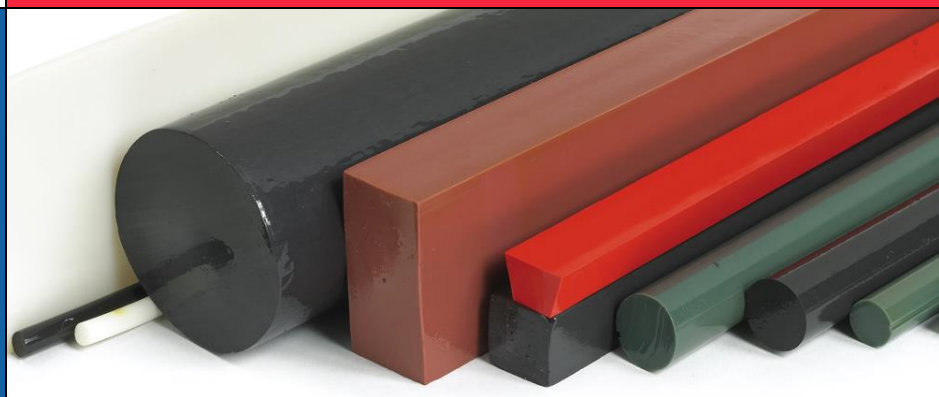
MicroPoly® Solid Profiles

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

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