MicroPoly®
The solid idea for lubrication

# MicroPoly® Lubricants for the Food Processing Industry – Bearings

**MicroPoly lubrication products** are a mixture of polymers, oils and selected additives that can be provided to meet your specific lubrication needs. 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 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

- ANSI conveyor chain lubrication
- Bottling line bearings
- Conveyor bearings
- Feather picker bearings
- Proof box conveyor bearings

www.micropoly.com

PhyMet, Inc. 75 North Pioneer Blvd • Springboro, Ohio 45066
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MicroPoly® is a registered trademark of PhyMet, Inc.

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# MicroPoly® Lubricants for the Food Processing Industry – Solid Profiles

**Potato Chip Sizer**
UC205-16

| | |
|---|---|
| Before MicroPoly: | 6-8 week bearing life |
| With MicroPoly: | 18 months life |
| Estimated Annual Savings: | $660,000 |

During the sizing operation, salt and other seasonings are added. These solid particulates contaminated the bearings, causing bearing failure in 6-8 weeks. Downtime costs customer $25,000 per hour. Prior to using MicroPoly, bearing failure led to an average of two hours of downtime per month. Customer has experienced no downtime due to bearing failure since installing MicroPoly. Over 6 years, they have saved almost 4 million dollars. In the words of this customer, MicroPoly is "One of the best things we've done in a very long time."

## 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
- Many sizes and shapes available
- Custom designs available

## Typical Applications

- Linear bearings
- Replacement for felt lubrication
- Conveyor chain guide kits
- Gear lubrication
- Ball screws

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