

# MicroPoly<sup>®</sup> 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

# MICROPOLY® STANDARD SOLID PROFILES

MicroPoly Lubricants are solid and can be processed into a variety of shapes with various polymer processing techniques. They are available in MicroPoly MPI-0779 and MPF-0696.

## ► TYPICAL APPLICATIONS

- Bushings
- Wear plates
- Chain lubrication
- Wheel flange lubrication
- Spherical plain bearing lubrication



### Standard MicroPoly Solid Profiles – In Stock

NOMINAL DIAMETER	CROSS-SECTION	NOMINAL SIZE	CROSS-SECTION
3.3"	round	17 mm	round
2.35"	round	1" x 2"	rectangle
1"	round	1 11/16" x 3/4"	rectangle
3/4"	round	3/4" x 1 3/4"	rectangle
1/2"	round	0.18" x 3.0"	rectangle
1/4"	round	1/2" x 4"	rectangle
1/8"	round	1" x 4"	rectangle

Profiles are available in a variety of lengths. Minimum order quantities may apply.

### MicroPoly Solid Profiles – Special Order

NOMINAL DIAMETER	CROSS-SECTION	NOMINAL DIAMETER	CROSS-SECTION
5/16"	round	9 mm	round
20 mm	round	0.061" x 2.6"	rectangle
13 mm	round		

# MICROPOLY® CUSTOM PROFILES

MicroPoly Solid Profiles can be custom-made for specific lubrication applications. Many of the applications have replaced felt-based lubricators. MicroPoly eliminates the need for re-oiling and spillage that can occur with conventional lubrication systems. Our Engineering staff can work with you to design specific profiles to meet your lubrication needs.

## ► TYPICAL APPLICATIONS

- Ball bushings
- Ball screws
- Clutch bearing lubrication
- Gear lubrication
- Linear bearings
- MicroPoly washers



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