

## ULTRAGEL 300-00

### Applications:

UltraGel 300-00 is designed for use as a sintered bearing lubricant in situations where plastic compatibility is important. These may include plastic gears, miniature gearboxes, plastic blower wheels or fan blades, and those conditions where metal to plastic, or plastic to plastic friction contacts would require lubrication.

### Characteristics:

- UltraGel 300-00 utilizes our Omnilube® 300 oil with a special thickener to help hold the oil near the bearing.
- Excellent oxidation stability and rust prevention.
- Wide useful temperature range.
- Excellent resistance to water washout.
- Compatible with most elastomers and plastics.
- Noise dampening properties.

### Bearing Impregnation:

- UltraGel 300-00 should not be filtered.
- UltraGel 300-00 should be stirred well before impregnation or use.
- Impregnation should be carried out under vacuum conditions and the oil should be heated to approximately 175°F (80°C).
- Remove excess oil via drip drying or centrifuging.

### Typical Properties:

|                              |       | <b>ASTM<br/>Test Method</b> | <b>UltraGel<br/>300-00</b>  |
|------------------------------|-------|-----------------------------|-----------------------------|
| Base Oil Viscosity, cSt.     | 40°C  | D445                        | 65.4                        |
|                              | 100°C |                             | 11.2                        |
| Base Oil                     |       |                             | Synthetic hydrocarbon (PAO) |
| Thickener                    |       |                             | Aluminum complex soap       |
| Structure                    |       |                             | Semi-fluid                  |
| Color                        |       |                             | Light yellow/opaque         |
| Specific Gravity             |       |                             | 0.84                        |
| Service Temperature Range    | °C    |                             | -50 to 150                  |
| Copper Corrosion             |       | D-130                       | 1b                          |
| Rust Test                    |       | D-1743                      | #1 No rust                  |
| Flash Point                  | °F    | D-92                        | 460                         |
| Evaporation Loss, %, 22 Hrs. | 210°F |                             | <0.4                        |

#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



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