

## ULTRAGEL 300

### SYNTHETIC POWDER METAL BEARING MICROGEL

#### Applications:

The MicroGels take impregnating oils to a higher level of performance. The MicroGels are intended for use in the oil reservoir surrounding the bearing, allowing the synthetic impregnating oil suspended in the gel to migrate into the bearing providing extended bearing life.

UltraGel 300 is a MicroGel based on our Omnilube® 300 impregnating oil and is intended for use in conjunction with powder metal bearings that have been impregnated with this same oil. Other MicroGels are available based on our Syntroil® impregnating lubricants.

UltraGel 300 is formulated with a special thickener to help hold the oil near the bearing. UltraGel 300 should not be filtered and 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 the excess oil via drip drying or centrifuging.

#### **Typical Industrial Applications:**

- Impregnating Applications

#### **Performance Benefits:**

- Increased bearing service life
- Superior oxidation stability and rust prevention
- Excellent resistance to water wash out
- Compatible with most elastomers and plastics
- Wide useful temperature range -50°C to 150°C

TYPICAL PROPERTIES	TEST METHOD	UltraGel 300
NLGI Grade	---	00
Color	Visual	Light yellow/Opaque
Structure	Visual	Semi-fluid
Evaporation, 22 hrs. at 210°F, %	ASTM D6184	<0.4
Thickener	---	Aluminum Complex Soap
Base Oil	---	Synthetic Hydrocarbon (PAO)
Base Oil Viscosity @ 40°C, cSt	ASTM D445	65.4
Base Oil Viscosity @ 100°C, cSt	ASTM D445	11.2
Copper Corrosion	ASTM D130	1b
Rust Protection	ASTM D1743	#1 no rust
Flash Point, °F	ASTM D92	460
Specific Gravity	ASTM D1298	0.84

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#### **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)

**MADE  
IN  
USA**



900 Centerpoint Blvd.  
New Castle, DE 19720  
P.....302-325-9880  
F.....302-325-0335  
[info@ultracheminc.com](mailto:info@ultracheminc.com)