

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:

		ASTM Test Method	UltraGel 300-00
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



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