

PRODUCT LINE OVERVIEW

InLube® Internally Lubricated Compounds

Americhem is a leading global specialty thermoplastics compounder for internally lubricated compounds. InLube® compounds are specially designed to reduce the wear and friction of moving plastic parts, reduce noise during use, and decrease coefficient of friction for plastic on plastic and plastic on metal applications.

InLube® Internally Lubricated Compounds are designed to meet the rigorous demands of multiple industries and applications.

PRODUCT FEATURES AND BENEFITS

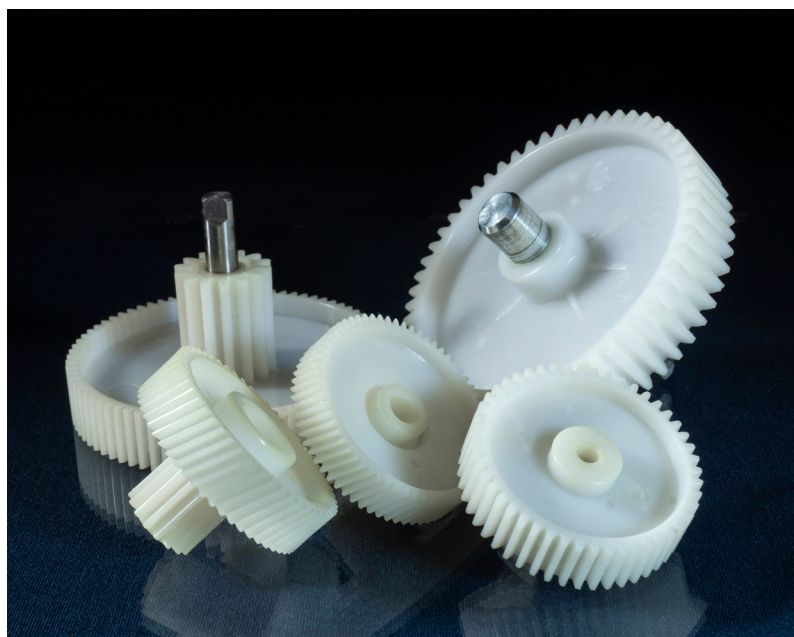
Internally lubricated reducing the need to oil or grease parts externally

Combine other fillers, reinforcements, and additives to create the perfect mix

Offers a lightweight replacement for metal with formulations that resist corrosion and other damaging factors

Reduce coefficient of friction prolonging the life of your part due to low wear rates

Available in over 30 base resins that can be custom colored to best suit your application needs



PACKAGED LUBRICATION SOLUTIONS THAT OPTIMIZE PERFORMANCE

Lubrication provides essential functions for plastic molded components that are meant to be in motion. Americhem's InLube® line of internally lubricated compounds and alloys combines our specialty thermoplastics compounding experience with our lubricant additive technology to offer the industry's most advanced solutions, packaged to optimize the performance of products across a broad spectrum of markets.

All ingredients are highly dependent on the mating material, temperature use, chemical/fluid exposure, purity concerns, and other considerations. At Americhem, we take strategic measures at each stage to ensure every InLube® batch you receive is of the utmost quality.

APPLICATIONS

- Surgical Devices
- Gears
- Bearings
- Hinges
- Syringes
- Catheters
- Injection Pens
- Appliances
- Office Equipment

PREDICTING THE COEFFICIENT OF FRICTION AND WEAR-RESISTANCE RATE

Our experts can analyze the application, materials of the mating parts, product life cycle, and frequency of use to ensure you achieve real-world tribology, moldability and CTQ's.



Available Base Resins

Americhem has formulated InLube® compounds in a wide variety of base resins that include:

- ABS
- ACETAL
- ACRYLIC
- ASA
- LCP
- NYLON
- PAEK
- PARA
- PBT
- PC & PC alloys
- PEI
- PEEK
- PET
- PP
- PPA
- PPS
- PPSU
- PS
- PSU
- TPE, TPU, TPV

Additive Excellence

Formulate as you wish with Americhem's vast variety of additives. This gives you the opportunity to tailor your product as needed.

- Antimicrobials
- Antistats
- Density Modifiers
- Flame Retardants
- High Specific Gravity
- Impact Modifiers
- IR Light Management
- Laser Marking
- Lubricants
- IR Light Management
- Laser Marking
- Lubricants
- Radiopacifiers
- Release Agents
- Stainless Steel
- Thermally Conductive Fibers

Available Lubricants

Americhem offers an array of lubricants that deliver unique advantages across different base resins.

- **Aramid Powder/Fiber** – for heat resistance and strength
- **Graphite** – soft carbon allows molecules to easily slide over each other
- **MoS₂** – nylon applications requiring reduced wear and “slip-stick” behavior in bearings
- **Proprietary Low Friction Additives** – non-migratory additives designed to offset PTFE in various applications and thermoplastics
- **PTFE** – reduces wear and friction for a wide range of amorphous and crystalline thermoplastics
- **Silicone** – behaves as a boundary lubricant to provide reduced wear rates and coefficients of friction and immediate lubrication at start-up and high speeds

Americhem Services

Americhem has you covered with our full technical support from design to production.

- Color Design
- Customer Trials
- Flexible Lead Time
- Global Locations
- In-House Labs
- IQ/OQ/PQ Support
- No MOQ
- Toll Processing

Sustainability & the Environment

Americhem is committed to sustainability, offering eco-friendly formulations that reduce environmental impact. This directly aligns with the growing demand for sustainable solutions to help create a positive impact.

Contact our team today to learn how our expertise and products can benefit your product development efforts.