



LE PRODUCTS
MANUFACTURED
UNDER AN ISO
9001:2000
CERTIFIED QUALITY
SYSTEM

4082 SHEERPLEX® FOOD MACHINERY LUBRICANT

Clean, Clear and Non-Tacky Ideal for Food & Beverage Manufacturing

Sheerplex® lubricant – a premium aluminum complex grease – meets the unique needs and exacting specifications of food and beverage manufacturers. Developed by LE based on customer feedback, Sheerplex lubricant is high-performance, washdown-friendly and approved for incidental food contact. Its odor-neutral, non-pigmented, non-tacky formulation makes it refreshingly pleasant for service and maintenance personnel to use.

Beneficial Qualities

Clean & safe

- Approved for incidental food contact
- Cleared for use in USDA-inspected facilities
- Registered NSF H1
- Certified Kosher Pareve
- Creates no unpleasant or hard-to-remove odor, color or stickiness

Smooth & non-tacky

- Ensures clean, easy process for frequent washdown of equipment
- Provides outstanding pumpability in centralized lube systems

Clear

- Contains no pigmentation; appears nearly transparent in use
- Makes it ideal for equipment that requires regular visual inspection

Reliable & high-performance

- Made from highly refined white mineral oils, proprietary performance additives and organo-metallic thickeners



- Protects machinery and ensures mechanical stability
- Works exceptionally well with bushings and bearings that have very tight clearances

Corrosion-resistant

- Contains corrosion inhibitors; scores excellent ratings on bearing corrosion tests
- Provides rust protection for equipment that is washed frequently or used in wet environments
- Performs well under mild acid or alkali conditions

Versatile & multipurpose

- Operates well under wide temperature range of -40°F to 400°F (-40°C to 204°C)
- Exhibits great low-temperature mobility for refrigerated areas
- Resists oxidation at high temperatures often found in food processing

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Sheerplex[®] Technical Data

Physical Characteristics

Model Number	4082
NLGI Grade	2
USDA / NSF Registered	H1
Texture	Smooth/Buttery
Thickener	Aluminum Complex
Color	Translucent
Dropping Point	480° F / 249°C
Penetration (Worked 60)	265-295
Flash Point (base oil)	420°F / 216°C
Pour Point (base oil)	-20°F / -29°C

Performance Test Results

U.S. Steel Mobility of Grease @ 0°C	1.24g/sec
U.S. Steel Mobility of Grease @ -20°C	0.03g/sec
Bearing Corrosion Test ASTM D1743	Pass
Dynamic Bearing Corrosion Test ASTM D6138	No corrosion (0,0)
4-Ball Wear ASTM D2266 (40kgs/1200rpm/75°C)	0.56mm

Note: All characteristics and results listed above are typical values.

Recommendations

- For applications in which incidental food contact may occur.
- Operating temperature range of -40°F to 400°F (-40°C to 204°C).

Applications

- Bearings
- Conveyors
- Chains
- Slides
- Fillers
- Bottlers
- Cappers
- Seamers
- Closers
- Washdown areas
- Food packaging
- Meat and poultry processing
- Seafood processing
- Bakeries



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