



ENSEMBLE A50 Greases

Overview: Interlube's ENSEMBLE A50000, A5000, A500, A501 and A502 Greases are premium-quality lubricants for multi-purpose use in industrial and commercial applications. Thickened with Lithium-12 Hydroxy-stearate and blended with a "universal viscosity" base oil, it is fortified with extreme pressure agents to provide protection even when the best conventional lubricants fail quickly. The extreme pressure agents protect the bearing from scoring and destructive wear under the highest loading conditions. The NLGI #1 and #2 grades meet the performance requirements for NLGI GC/LB.

This product is available in NLGI #000, #00, #0, #1, and #2 consistencies.

Operational Benefits: These products offer these competitive advantages to enhance your reliability:

- **Multi-purpose use** • **Superior Extreme Pressure performance** • **Reduced wear**
- **Excellent water resistance** • **Wide operating temperature range (-30°F to 300°F)** • **Outstanding rust and oxidation resistance**

Application: Verify compatibility with current product. Remove old grease and attempt to eliminate as much residue as possible.

- **General purpose greasing (NLGI #1/ #2)** • **Vehicle chassis and bearings (NLGI #1/ #2)** • **Leaky gear reducers (NLGI #00/ #000)** • **Automatic / centralized greasing units (NLGI #1/ #0/ #00)** • **Forklift differentials (NLGI #00 / #000)** • **Wheel ends / hubs** • **Electric motor bearings (non-circulation)**

Typical Industries: This product is commonly used (but not exclusively) in the following industries:

- **General manufacturing** • **OTR trucking** • **Construction / mining** • **Automotive repair**



Technical Properties

Property	Method	ENSEMBLE A50000	ENSEMBLE A5000	ENSEMBLE A500	ENSEMBLE A501	ENSEMBLE A502
Appearance		Smooth Amber	Smooth Amber	Smooth Amber	Smooth Amber	Smooth Amber
Consistency		Semi-Fluid	Semi-Fluid	Semi-Fluid	Tacky	Tacky
Thickener Type		Lithium-12 Hydroxystearate	Lithium-12 Hydroxystearate	Lithium-12 Hydroxystearate	Lithium-12 Hydroxystearate	Lithium-12 Hydroxystearate
NLGI Grade	ASTM D-217	000	00	0	1	2
Penetration, 60 Strokes, 77°F, (mm)	ASTM D-217	460	420	370	325	281
Base Oil		Mineral Oil	Mineral Oil	Mineral Oil	Mineral Oil	Mineral Oil
Base Oil Viscosity (cSt @ 40°C)	ASTM D-445	220	220	220	220	220
Four Ball Wear (mm)	ASTM D-2266	0.55	0.55	0.55	0.55	0.55
Four Ball Weld Load (kgf)	ASTM D-2596	400	400	400	400	400
DI Rust Protection, 48h/52°C	ASTM D-1743	PASS	PASS	PASS	PASS	PASS
Water Washout (% @ 99°C)	ASTM D-1264	N/A	N/A	N/A	<7.5	<5
Dropping Point (°C)	ASTM D-2265	N/A	N/A	N/A	191	191
Oxidation Stability (ΔkPa)	ASTM D-0942	<5	<5	<5	<5	<5
Operating Temperature Range (°F)		-30 - 300	-30 - 295	-30 - 285	-30 -275	-30 - 275

The values shown are typical of current production. All of them may vary within tolerable ranges.



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