

ALPHA FG 2-100

LUBRICATING GREASE

▶ PRODUCT DESCRIPTION

Alpha FG 2-100 is an NLGI No. 2 high performance lubricating grease used where incidental contact with food is a possibility. It also excels in applications where resistance to water washout and broad operating temperatures are absolutely necessary. The formulation of this product provides unsurpassed resistance to extreme pressures and corrosion, including salt spray. Alpha FG 2-100 also has exceptional mechanical stability even in the presence of water. It contains no heavy metals or other environmentally undesirable additives.

 NSF H1 Registered (132419)

▶ PRODUCT BENEFITS

- H1 approved for incidental food contact
- Superior extreme pressure and anti-wear properties
- Very good water washout resistance
- Good rust protection
- Excellent adhesion to metal surfaces

APPLICATION



FOR USE ON/IN:

Food processing equipment as a protective anti-rust film

Release agent on gaskets or seals of tank enclosures

Lubricant for machine parts and equipment that may come in contact in part to food

TYPICAL PROPERTIES

NLGI Grade	2
Soap Type	OBCS
Color	Tan
Texture	Buttery
Appearance	Smooth
Operating Temperature Range	-4° to 351°F (-20° to 177°C)



TYPICAL PROPERTIES

Penetration, Worked 60 strokes	ASTM D 217	265 – 295
Penetration, Unworked		265 – 295
Penetration, Worked 100,000 strokes, change		+/-5%
Dropping Point	ASTM D 2265	572°F (300°C) min.
Copper Strip Corrosion, 210°F (99°C), 100 hours	ASTM D 4048	1a
Oxidation Stability, psi loss, 100 hours	ASTM D 942	1
Oil Separation	ASTM D 1742	0.2%
Four Ball EP, Weld Point	ASTM D 2596	620 kgf
Four Ball Wear, Scar diameter	ASTM D 2266	0.45 mm max.
Timken OK Load	ASTM D 2509	65 lbs.
Salt Fog Test	ASTM B 117	+2,500 hours
Corrosion Preventative Properties	ASTM D 1743	Pass
Water Washout, 175°F (79°C)	ASTM D 1264	2.75%
Base Oil Properties	ASTM D 445	
Viscosity, 100°C		10.8 cSt
Viscosity, 40°C		100 cSt
Viscosity Index		90
Pour Point	ASTM D 97	-4°F (-20°C) max.
Flash Point, COC	ASTM D 92	428°F (220°C)

PRODUCT CODE

CSN2425000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).