

MOLYTEC AUSTRALIA , Unit 1, 9 Steel St, Capalaba, QLD Australia, 4157	
Tel. for Information: (07) 3245 2355 Last Updated: April 2008	Fax for Information: (07) 3245 2499 Page 1 of 2
Technical Data Sheet	MOLYTEC Food Machinery Grease

DESCRIPTION

MOLYTEC FOOD MACHINERY GREASE is a premium, up market Aluminium Complex NLGI No 2 grease composed entirely of ingredients which meet the requirements of section 178.3570 of the Food and Drug Administration regulations. It has been ruled acceptable by the U.S. Department of Agriculture for the processing machinery in federally inspected meat and poultry processing plants.

This grease is pure white in colour, odourless and tasteless. It is made with a USP white mineral oil and a special aluminium complex thickener. It contains additives to provide protection against rust and to resist oxidation.

MOLYTEC FOOD MACHINERY GREASE AL2 is also approved by the Australian Quarantine Inspection Service as Food Grade Lubricant Type A. This approval is a very specific and mandatory requirement when lubricants are used in processing food and food support products, such as packages, cartons etc. where incidental contact with the lubricants may occur in the process.

This grease will satisfactorily lubricate most machinery and equipment used in producing, manufacturing, packaging, processing, preparing, treating, transporting or holding food.

PERFORMANCE

Rust Protection: Contains an FDA approved rust inhibitor. The grease protects bearings subjected to wet conditions (e.g. high humidity, water washing, steam etc.) It also protects during periods of machine shutdown.

Provides Bearing Seal: This grease resists water washout and provides a seal against the entrance of water, fruit and vegetable juices to the bearing.

Juice Resistant: This grease is compatible with and maintains its consistency in the presence of beverages and food juices.

Multipurpose Properties: This grease is a "multipurpose" grease which covers the varied services within a plant. This helps to simplify lubrication maintenance and aids in reducing inventories.

Anti Oxidation Stability: This grease is manufactured with white mineral oil and contains an FDA approved oxidant which gives the grease high stability against chemical changes.

Mechanical Stability: This grease is shear stable and maintains its consistency when severely worked in the bearing.

Protects the User: Extreme care is taken throughout the manufacture of this grease to protect its purity. If any incidental contact occurs the grease will not effect the colour, odour or taste of the food product. The grease is packed in food grade containers. The FDA regulation requires that the food handling equipment be operated with good manufacturing practices to keep the amount of lubricant in the food below 10 parts per million.

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TECHNICAL DATA

	ASTM Method	
Colour:	White	
NLGI Consistency:	2	
Base, Soap Type:	Aluminium Complex	
Unworked Penetration at 25 ^o C:	D.217	275
Worked penetration at 25 ^o C:	"	272 (60 strokes)
	"	287 (100,000 strokes)
Dropping Point, ^o C:	D.2265	232
Oxidation, Pressure Drop after 100hrs, Kpa	D.942	10
Bearing, Rust Protection:	D.1743	1
Oil Separation, after 24hrs at 100 ^o C, %:	D.1742	1.5
Bearing Life, 10,000 RPM at 121 ^o C, hrs	D.1741 MOD	700
Timken OK load kg	D.2509	20
Working Temperature (up to):	-25 ^o C to 190 ^o C	
Water Washout at	D.1264	Nil
Copper Corrosion, 3 hrs at 100 ^o C	D.130 MOD	1a
Base Oil (US Pharmacopeia quality)		
Viscosity, cst at	D.445	66
	D.445	6.60

AQIS Approval No: 3628

The facts stated and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes.

PACKAGING

450g Cartridge, 20kg Pail

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