



FORSYTHE DIANA 2100
NSF APPROVED
Synthetic Food Machinery Grease
NSF Registration No. 133123



Forsythe Diana 2100 grease is a member of a family of technologically advanced greases which have been developed by complexing modified overbased calcium sulfonates. This technology is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium Complex, Aluminum Complex and Polyurea.

Features

Thermal & Mechanical Stability

Superior mechanical stability versus other thickeners, particularly in the presence of heat and water.
High dropping point, typically in excess of 300C.

Load Carrying & Wear Protection

Excellent EP and AW properties inherent in the thickener.

Does not require the use of additional additives.

Resistance to Water

Formulated for enhanced resistance to water.

Application:

Forsythe Diana 2100 is a certified H-1 grease for incidental contact with food. It is designed for use in all food processing operations including mixing, stirring, baking, frying, cooking, freezing, cleansing, packaging, canning and bottling.

Benefits

Resistance to Oxidation

Formulated with a low viscosity PAO
Life performance is typically increased by Up to 4 times that of a regular mineral oil based grease.

Low Temperature Properties

Excellent mobility and torque at temps. down to -40C.

Corrosion Resistance

Sulfonates are known and used for their excellent rust prevention properties.
This property is inherent in the thickener.
Will easily outperform all other technologies.

...2/ FORSYTHE DIANA 2100 SYNTHETIC FOOD
MACHINERY GREASE Cont'd.

Typical Properties:

Properties	Test Method	Diana 2100
NLGI Grade	ASTM D217	2
Colour	Visual	Cream
Texture	Visual	Smooth
Dropping Point, degrees C	ASTM D2265	318
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical Stability, 10,000Strokes, % change	ASTM D217	-1.0
Roll Stability, 50% water, % change in pen	ASTM D1831	0.3
Timken OK Load, kg	ASTM D2509	27.2
4-Ball EP LWI, kgf	ASTM D2596	55
Weld Point, kg		400
4-Ball Wear,mm	ASTM D2266	0.42
Rust Test, rating	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>300
Copper Corrosion, rating	ASTM D4048	1B
Wheel Bearing Leakage, grams	ASTM D4290	4.5
Bearing Life Performance, hours	ASTM D3527	280
Bomb Oxidation, psi drop after 1000 hours	ASTM D942	4.0
Water Washout at 80C, % lost	ASTM D1264	0.5
Oil Separation, % loss	ASTM D1742	0.1
Low Temperature Torque, -40C, g-cm	ASTM D1478	
	Start:	3783
	60 Minutes	598
Mobility @ 150 psi, -18C g/minute	US Steel Method	124.6

These values quoted are typical of normal production. They are not a specification.
Available in all NLGI Grades.

Handling: Forsythe Diana 2100 may be handled using conventional grease handling and dispensing methods.

Packaging: Available in all package sizes including tubes, 17 kg. pails, 55 kg. kegs, 180 kg. drums.

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