



#### Description

PROTEAN Optimum 2 is a highly versatile, NSF: H1 registered, premium+ PFPE-based lubricant, offering a unique combination of exceptionally high and low temperature performance, chemical inertness and high load carrying capacity to satisfy even the most demanding lubrication needs. Originally engineered for the Food & Beverage industry, PROTEAN Optimum 2 significantly reduces wear to increase service life of critical components that operate under extreme circumstances, or are hard to relubricate and require long life lubrication.

Also suitable for Packaging, Pharmaceutical and other cleanroom environments

#### Outstanding Features

- NSF: H1 registered (lubricant with incidental food contact, for use in and around food processing areas)
- For lifetime lubrication of bearings, chains, slides and other machine parts used in environments where conditions prevent the use of conventional greases.
- Good oxidation stability ensures prolonged lubrication intervals at high temperatures
- Exceptional low levels of carbonisation at high operating temperatures help extend component life
- Extreme resistance to chemicals and suitable in the presence of oxygen
- Exhibits excellent EP performance with a 4 ball weld load of 500kg
- Temperature range -25°C to +280°C

#### Directions for Use

PROTEAN Optimum 2 should be applied extremely sparingly by hand, or by other methods suitable for dispensing NLGI No. 2 lubricants. Whilst being compatible with most PFPE type greases, it is always recommended to clean components thoroughly with a suitable solvent prior to applying PROTEAN Optimum 2.

#### Technical Data

Category	H1 - Lubricants with incidental food contact
NSF Registration No	154133
Allergens	Does not contain allergens, genetically modified ingredients, nut oil or derivatives.
Appearance	Smooth white grease
Base Fluid	Perfluorinated Polyether
Base Fluid Viscosity @ 38°C	470 cSt
Thickener	PTFE
NLGI Classification	2
Penetration (IP50)	265 to 295
Shell 4 Ball (IP239) (ASTM D2596)	
Weld Load	500Kg
Load-Wear Index	106
Drop Point (ASTM D2265)	>280°C
Operating Temperature range	-25°C to +280°C
BAM, Gaseous Oxygen Test 60C@90 bar	Pass
Available Sizes	800g cartridge, 1Kg, 6Kg, 20Kg - other sizes available on request



The content of this data sheet is given in good faith but without warranty.