



# Peak Oil

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## TECHNICAL DATA

### Proteus Range Lithium Soap Greases



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## TECHNICAL DATA

### Proteus Range

#### Lithium Soap Greases

A range of premium quality multipurpose greases, manufactured from Lithium-12-Hydroxy Stearate Soap dispersed in solvent refined mineral base stocks, fortified with selected compounds to inhibit corrosion and oxidation. The grades highlighted with EP signifies the inclusion of specially selected soluble extreme pressure additives, and in the case of Proteus 2M the addition of micronised Molybdenum Disulphide has been added to enhance its operational characteristics.

This highly versatile range of greases are recommended for a variety of applications including automotive, industrial and off-highway plant for bearings, steering and chassis fittings, grease cups, water pump bearings and grease lubricated universal joints.

These grades may also be used to advantage over a wide range of other industrial applications from small high speed bearings operating under high unit pressure and load, as well as centralised lubricating systems. As well as the ability to provide continuous pumpability over wide temperature ranges, they exhibit excellent load carrying properties, high resistance to shock loading, coupled with exceptional, resistance to water washing.

#### Performance Benefits

- ◆ *Long service life in a wide range of operational applications*
- ◆ *Excellent resistance to water washing and protection against rust and corrosion*
- ◆ *Reduced wear on heavily loaded bearing applications*
- ◆ *Controlled pumpability makes them ideally suitable for use in centralised lubrication systems*
- ◆ *Prolonged life due to high resistance to oxidation at high operating temperatures*
- ◆ *Extended bearing life in environments where water ingress could be a problem*

#### Health and Safety

These grades are mineral oil based and should be handled according to good standards of industrial hygiene. Further detailed information is available on request.



### Typical Physical Characteristics

Proteus	000EP	00EP	0EP	1EP	2	2EP	2M	3
Appearance	Smooth Fluid Grease	Smooth Semi Fluid Grease	Smooth Semi Fluid Grease	Medium Fibred Grease	Medium Fibred Grease	Medium Fibred Grease	Medium Fibred Grease	Medium Fibred Grease
Colour	Green/Brown	Green/Brown	Green/Brown	Green/Brown	Pale Brown	Bottle Green	Grey/Black	Pale Brown
Unworked Penetration (IP50)	445/475	400/430	355/385	310/340	265/295	265/295	265/295	220/250
Worked Penetration (IP50)	445/475	400/430	355/385	310/340	265/295	265/295	265/295	220/250
NLGI Classification	000	00	0	1	2	2	2	3
Dropping Point °C (IP132)	-	-	-	180 min	180 min	180 min	180 min	180 min
Operating Temp Range °C	-30 -110	-30 - 110	-20 - 110	-20 - 130	-20 - 130	-20 - 130	-20 - 130	-20 - 130
Oil Separation % (IP 121)	-	-	-	7 Max	5 max	5 Max	5 Max	4 max
Oxidation Stability (IP 142) 160 Hours @ 99°C – Pressure Drop psi	-	-	-	4	4	4	4	4
Water Wash Out % ASTM D1264 @ 38°C	-	-	-	5	3	3	3	2.5
@ 79°C	-	-	-	9	4	4	4	4
Timken OK Load (IP 326) Kgs	20	20	20	20	-	20	20	-
4 Ball Weld (IP23) Kgs	315	315	315	315	-	315	285	-

**Storage:** Drums should be stored on their sides in a clean dry place and protected from extremes of temperature, store >5°C.

The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee as the conditions and methods of use of our products are beyond our control.