

POWERLITH 00EP

Description

Premium quality, semi fluid lithium soap grease.

Semi Fluid 00EP is manufactured from lithium soaps and extreme pressure additives. It is suitable for industrial applications subjected to high load conditions. The grease is easily pumped over long distances, even at low temperatures.

Benefits

- Good mechanical stability
- Good oxidation stability
- Good load carrying capabilities
- Excellent pump ability
- Compatible with other greases

Application

Semi Fluid 00EP is recommended for use in highly loaded industrial and automotive applications and centralised systems, where pumping over long distance is required. It is also suitable for certain automotive gearbox applications.

Typical Characteristics

Colour	Green/Brown
Appearance	Smooth semi fluid Grease
NLGI Classification	00
Soap Base	Lithium
Un-worked Penetration (IP50)	400-440
Worked Penetration (IP50)	400-430
Operating temperature °C	-30 to 110

Drop Point °C (IP132)	170 min
Water Washout @38°C	3% max
Timken OK Load Kg	20

Technical Information

Lubricating greases may be defined as thickened lubricating fluids. Common thickening agents are metallic soaps. These are usually calcium, sodium, aluminium, barium and lithium. The consistency of grease is determined by penetration. This measurement is quoted according to the NLGI and ranges from 000 (450-500), which is semi fluid to 5 (130-160), which is very stiff.

Greases do not change from a solid to a liquid at a precise temperature but gradually soften. The temperature at which grease will flow is known as its drop point.