



# ALPHA EP GREASE

PSO Alpha EP Grease is developed for a wide range of applications where the benefits of lithium base thickened greases having excellent extreme pressure, load carrying and anti-wear properties. It contains an effective anti-oxidant and antirust additive and is ideal multipurpose grease, suitable for both automotive and industrial applications.

## Benefits

- Excellent extreme pressure properties.
- Good resistance to water washout.
- Good rust and corrosion protection.
- Good mechanical stability.
- Multifunctional use.

## Applications

- Excellent performance where bearings are subjected to shock load condition.
- Automotive.
- General Construction equipment.
- Earthmoving vehicles, mobile quarry and mining equipment.
- Agriculture machinery.

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS			
		0	1	2	3
NLGI Grade	-	0	1	2	3
Appearance	-	Light Brown	Light Brown	Light Brown	Light Brown
Soap Base, Type	-	Lithium Soap	Lithium Soap	Lithium Soap	Lithium Soap
Penetration Worked, 60 Strokes	ASTM D-217	370	325	280	235
Dropping Point, °C, min.	ASTM D-566	160	170	180	180
Copper Corrosion, 24-hrs @ 100°C	ASTM D-4048	Pass	Pass	Pass	Pass
EP Performance Test, Wield Point, kgf, max.	ASTM D-2596	180	180	190	190
Oil Separation, % wt., 18-hrs @ 40°C, max.	IPI-121	-	-	5	2
Four Ball Wear, 40 kg, 1200 rpm, 75C, 1hr, scar dia, mm	ASTM D-2266	0.5	0.5	0.7	0.7
Leakage Tendencies in gm Deposit on Bearing Surface, 6-hrs @ 105°C, max.	ASTM D-1263	-	-	5	5
Unworked	ASTM D-217	-	-	< 295	< 250
Shell Roll (0.1mm) @ 18-hrs @ 65°C, max.	ASTM D-1831	-	-	100	100

\*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)