



## Spheerol™ AP Range

Bearing Grease

### Description

Spheerol™ AP 2 and AP 3 are lithium-based greases incorporating solvent-refined base oils. They contain oxidation and corrosion inhibitors, which help to ensure long service life and a high level of protection for metal surfaces. The greases are water-resistant.

Spheerol AP 2 and AP 3 are mainly intended for use in plain and roller bearings of all types and in all kinds of machinery under normal load conditions and within an operating temperature range of -20 °C to +120 °C.

### Application

Spheerol AP 2 and AP 3 are primarily intended for use in plain and anti-friction , ball and roller bearings besides other machinery applications. They are recommended for use under normal load conditions, within an operating temperature range of -20°C to +120°C. Due to the low viscosity used in these products, they are particularly suitable for high speed bearings.

Spheerol AP 3 is suitable for severe vibration conditions.

### Advantages

- Corrosion inhibitor additives ensure protection of metal surfaces extending bearing life.
- Oxidation inhibitors extend the life of the grease in high temperature applications minimising the need for re-greasing.
- Water resistance ensures good levels of protection in wet applications.

## Typical Characteristics

Name	Method	Units	AP 2	AP 3
Thickener type	-	-	Lithium soap	Lithium soap
Consistency	ISO 2137 / ASTM D217	NLGI Grade	2	3
Colour	Visual	-	Amber/Brown	Amber/Brown
Texture	Visual	-	Smooth & homogenous	Smooth & homogenous
Dropping point	ISO 2176 / ASTM D566	°C/°F	180min/356 min	180 min/356 min
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	100-130	100-130
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265-295	220-250
Anti Rust Performance (Emcor)	ISO 11007 / ASTM D6138	Rating	0/1 max	0/1 max
Copper corrosion, 24 hours @ 100°C	ASTM D4048	Rating	1b max	1b max
Oil separation, 168 hours @ 40°C (%)	IP121/ DIN 51817	% wt.	5 max	2 max
Water washout, 1 hour @ 79°C	ISO 11009 / ASTM D1264	%wt loss	10 max	10 max
Flow pressure @ -20°C / -4°F	DIN 51805	mBar	<1400	<1400

Subject to usual manufacturing tolerances.

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BP Middle East, Standard Chartered Tower, 8th Floor, Down Town Burj Khalifa, By Emaar Square, P.O. Box 1699, Dubai, United Arab Emirates  
 Technical / Customer Service: +9714-3317999  
[www.bp.com](http://www.bp.com)