

## Gazpromneft Metalgrease AC

*Extra High Load and Temperature Bentone Grease with Molybdenum Disulfide and Graphite*

**Gazpromneft Metalgrease AC** is extreme pressure non-melt grease based on a blend of high viscosity index mineral oils and inorganic non-soap thickener with molybdenum disulfide for added resistance to shock loading. The incorporation of solid lubricants (molybdenum disulfide, graphite, copper powder) produces on the lubricated surfaces a fine coating which prevents wear and also enhances the inherent water insolubility of the greases. Gazpromneft Metalgrease AC is designed for arduous slow speed plain bearings under extreme pressure, shock loads, elevated temperatures and corrosive conditions. Gazpromneft Metalgrease AC is recommended for use over the temperature range -30°C to 200°C.

### Applications

- Gazpromneft Metalgrease AC is recommended for arduous slow speed plain bearing applications under extreme pressure, shock loads, elevated temperatures and corrosive conditions at operating temperatures up to 200°C
- Pivot pins, sleeves, open gears, heavy duty rolling mills and presses, slow speed cams and followers, drying kiln mechanisms, kiln car castors, furnace door gear

Features	Advantages and Potential Benefits
High melting point	The inorganic bentone thickener has a high melting point which provide excellent performance at extreme high temperature operation
Good lubrication and low coefficient of friction	Molybdenum disulfide, graphite and copper powder act as a solid lubricant to provide good lubrication and a low coefficient of friction under extreme operating conditions
Outstanding resistance to water and corrosion	Completely resistant to water and steam, protects against water washout and bearing corrosion under extreme conditions
Excellent thermal stability and oxidation resistance	Extended service life with longer intervals between refilling and improved bearing life

Specification	Gazpromneft Metalgrease AC
DIN 51502	KPF2S-30

### Typical Characteristics

Properties	Method	Gazpromneft Metalgrease AC
NLGI Grade		2
Thickener Type		Bentone
Color	visual	Dark brown
Penetration, worked 60 stokes, mm/10	ASTM D217	310-340
Dropping Point, °C	ASTM D566	-
Base Oil Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	110
4-Ball Wear Scar Diameter, mm	ASTM D2266	0,4
4-Ball Weld Load, N	ASTM D2596	3200
Rust Protection, distilled water	ASTM D6138	pass
Water Washout, wt%	ASTM D1264	4

### Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use