



## Gulf Gem HD

## **Premium Quality Polyurea Grease**

## Product Description

**Gulf Gem** greases are premium quality polyurea thickener based grease for elevated temperatures and extended lubrication intervals and provides unique advantage over conventional soap-based greases. These are manufactured from highly refined base oils and performance additives to provide excellent wear protection, good structural stability, resistance to water washout and effective protection from corrosion. Performance testing demonstrates it is an outstanding lubricant for antifriction bearings, under extended periods at 180°C and remains functional at temperatures as low as -20°C.

## Features & Benefits

- Extremely high drop point ensures extended operating range in the most severe high temperature applications.
- Improved mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings
- Good corrosion protection and resistance to water washout resulting in improved component protection and equipment life
- Good low temperature fluidity/ pumpability even in cold weather making it ideal for use in centralised lubrication systems on industrial applications
- Excellent oxidation stability leading to deposit free performance in operation

## Applications

- All types of grease-lubricated plain and anti-friction bearings, operating at elevated temperatures and where contact with water is likely. Heavy duty plain and rolling element bearings operating under severe conditions including shock loading in wet environments.
- Particularly suitable for Steel Plant – continuous caster guide roller bearings, dryer roll bearings, oven conveyor bearings, rotary steam joints, pellet press bearings, slide track greasing for pallet & sinter plants and equipment adjacent to high radiant heat sources.
- Other applications with high load, high temperature , high water washout properties with centralized greasing system .

## Specifications, Approvals & Typical Properties

Typical Properties		NLGI 1.5
Test Parameters	ASTM Method	Typical Values
Appearance	Visual	Smooth & homogenous
Base Oil viscosity, @ 40 °C @ 100 °C	D 445	467
		32
Consistency, worked 60X	D 217	300
Dropping point, °C	D 2265	262
Copper corrosion	D 4048	1b
EMCOR Rust test	IP 220	0,0
Water washout, % wt loss	D 1264	1.4

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Note - Values mentioned above are typical values and do not constitute specification

**Caution :** In applications where clay-thickened, aluminum complex, calcium complex, and sodium soap grease have previously been used, care should be taken to avoid contamination of Gulf Gem HD grease as these products have been found incompatible with polyurea thickened greases.

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

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