

SPECIALITY PRODUCTS



PETROGULF MULTIPURPOSE GREASES

Product Data Sheet

PetroGulf Multipurpose Greases are lithium soap thickened & smooth textured greases, water resistant, incorporating solvent-refined base oils. They contain oxidation and corrosion inhibitors, which help to ensure long service life and high level of protection for metal surfaces. PetroGulf Multipurpose Greases 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.

PERFORMANCE FEATURES AND BENEFITS

- Outstanding protection against wear, rust, and corrosion.
- Excellent structural stability to resist excessive softening or hardening as a result of shearing.
- Controlled oil bleeding to supply small amount of oil needed for form EHL film.
- Non corrosive to all metals.
- Low water washout.
- Effective resistance to centrifuging and oxidation at high service temperatures.
- Maintain consistency during prolonged storage.

ADVANTAGES

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

APPLICATION

- Rolling element and plain bearings.
- Excellent performance in bearings operating at temperatures up to 136°C at 75% maximum rated speed for grease lubrication.
- Electric motor, water pump & sealed for life bearings.
- Ideal for centralized lubrication systems operating at normal temperatures but not for railway axle boxes.

TYPICAL CHARACTERISTICS

PetroGulf Multipurpose Greases				
Test	Method	Unit	AP 2	AP 3
Thickener Type	-	-	Lithium Soap	
NLGI Classification	ASTM D217	-	2	3
Colour	Visual	-	Yellow / Brown	Light Brown
Texture	Visual	-	Smooth	
Drop Point	ASTM D566	°C	>180	174
Base Oil Viscosity @ 40°C	ASTM D445	mm ² /s	85-100	120
Worked penetration, 25°C / 60 Strokes	ASTM D217	0.1mm	265-295	235
Emcor Rust Prevention (Distilled Water)	DIN 51802	-	1-1 max	-
Water Washout @ 40°C	ASTM D1264	%wt	3.5 max	-
Flow Pressure -20°C	DIN 51805	mbar	1000 max	-
Operating Temperature	-	°C	-20 to 120	-30 to 120

These characteristics are typical of current production. Whilst future production will conform to PetroGulf's specification, variations in these characteristics may occur.

HANDLING, HEALTH AND SAFETY

- Under normal conditions of use, this product presents no particular toxic hazard. All lubricants and greases, of any kind should be handled with great care, particularly avoiding any prolonged contact with skin.
- Prevent any splashing and keep away from combustible materials. Store under cover and away from any risk of pollution. The grease drums should be stored upright and surface of the grease should be smoothened to prevent oil separation into the cavity. Dispose off used product and can correctly; don't pour down drains, into watercourses or the soil.



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