

TECHINCAL DATA SHEET



PROVIDING QUALITY PRODUCTS SINCE 1965

PGM DS GREASE - 2

This is a lithium-calcium grease based on mineral oils. It contains anti-wear additives, anti-oxidants and corrosion inhibitors. It also contains a small amount of polymer to enhance adhesion. In comparison with the classic lithium greases, this product is characterized by improved water resistance and rust protection. The product is also suitable for the lubrication of heavily loaded bearings etc.

APPLICATIONS

Is used for heavily loaded industrial applications where water wash is problematic. In addition, the product is also suitable for heavy-duty vehicles working outdoors in wet and dirty conditions. The temperature range is -10°C to $+120^{\circ}\text{C}$, with a maximum of $+130^{\circ}\text{C}$.

TYPICAL QUALITY CONTROL TEST

NLGI NO.	2
Appearance	Homogeneous, Light brown
Texture	Smooth
Soap Base, Type	Lithium Soap
Operating Temperature $^{\circ}\text{C}$	-10°C to 120°C (max 130°C)
Penetration, (ASTM D 217) Worked, 60 Strokes	265 – 295
Dropping Point, (ASTM D 566) In $^{\circ}\text{C}$	175 min
EP performance test (ASTM D 2596) Weld point, kgf	200 max (1968 N)
Copper Corrosion, (ASTM 4048) 24h at 212°F	Pass
Four Ball Wear (ASTM D 2266) (40 kg, 1200rpm, 167°F , one hour) Scar diameter, mm	0.7 max
Oil Separation, weight in %w ,18 hrs at 104°F (IP 121)	5 max
Water washout in (weight in %w) (600 \pm 30 rpm for 1 hour at 100.4°F) (ASTM D 1264)	15 max
Leakage tendencies In g Deposit on Bearing Surface (ASTM D 1263)at 660 \pm 30 rpm for 6hrs @ 221°F	5 max
Oxidation Stability (psi) @ 212°F for 100 hrs (ASTM D 942)	10 psi

NOTE: The test data shown in this table are recent average values and are subject to usual tolerances.

- WORKED PENETRATION OF GREASES CAN BE ADJUSTED ACCORDING TO CUSTOMER REQUIRMENT. i.e. (290-300)