

TECHNICAL DATA

MOLYBOND GC10

High temperature bearing grease containing molybdenum disulphide

Description

Molybond GC10 is a multi-purpose, non melt, clay based grease formulated for high temperature applications. It is suitable for continuous operation up to 220°C and for intermittent operation at temperatures of up to 260°C. The solid lubricant particles carry the load and prevent metal to metal contact. GC10 grease is recommended for applications where high temperature stability is critical.

Areas of application

- Ball and roller bearings
- Plain bearings

Features

- Multi purpose grease
- Extends component life
- Resists water wash-out
- High load carrying capacity
- Excellent resistance to shock loading
- Wide temperature range 0°C to 220°C continuous and to 260°C intermittent operation

Directions for use

The product is suitable for packing bearings manually as well as through a manual or air operated grease gun.

Technical data

	<u>Test Method</u>
Appearance	Black grease
Lubricating Solids	Molybdenum disulphide
Thickener	Organic modified clay
NLGI Classification	2
Worked Penetration (mm X 10 ⁻¹)	265-295
Base Fluid Type	Mineral
Base Oil Viscosity at 40°C (cst)	460
Drop Point (°C)	None
'4 Ball'	
Weld Load (kg)	500
Wear Scar (mm)	0.5
Timken 'OK' Load (kg)	27
Copper Corrosion Test	A1
Corrosion Resistance	Pass
Water Washout Test (%) at 38°C	0.75
Temperature Range	
Continuous	-10°C to 220°C
Max. for Short Periods	260°C

The information enclosed in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided in this Technical Bulletin should be used as a guide only, as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Pty Ltd Conditions of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids Pty Ltd excludes all other warranties in relation to this product.

Health & safety information

The product is hazardous. A Material Safety Datasheet is available from the Rocol Customer Services Department upon request.

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