

MOSIL Robogrease - 1822

Low Torque Grease for Robotic Applications

A synthetic hydrocarbon grease with additives like rust and corrosion inhibitor and anti-oxidants. It is highly inert and has an excellent fluidity at very low temperatures (upto -50°C) making It applicable to a wide range of industrial applications in Automotive and Industrial Robotic Equipments.

AREA OF APPLICATION

Specially Developed for the lubrication of cables in Robotic Assemblies. Also Recommended for Anti-friction Ball Bearings, Conveyor Equipments, Motors, Freezer card caster, Aircraft Instruments, Control Cables, Plastic Gears, Plastic Parts involving Sliding Mechanism, Plastic to Metal Lubrication etc.

BENEFITS

- ➔ Operates effectively at low temperatures.
- ➔ Operates at very low torques.
- ➔ Compatible with various elastomers and plastics such as PVC, Polyester etc. used in modern assemblies.
- ➔ Compatible with popularly used automotive paints
- ➔ Operates at very low torques
- ➔ Protects from rust & corrosion.
- ➔ Long-Life lubricant for industry

Note Users are advised to check compatibility with polymers and paints prior to standardization of product.

PACKING: 1 Kg Jar, 20 Kg Pail, 180 Kg Drum

Owing to evolving packaging solutions, user is requested to kindly check the availability of a specific pack size prior to standardization.



<u>Sr</u>	<u>CHARACTERISTICS</u>	<u>TYPICAL VALUES</u>
1.	Appearance	Smooth Homogeneous Grease
2.	Base	Synthetic Hydrocarbon, Lithium
3.	Colour	Beige to Dirty White (Minor variation in shade has no effect on the lubricating properties of the product)
4.	Specific Gravity	0.88 ± 0.1
5.	Drop Point, °C ASTM D - 566	180 (min)
6.	Consistency (NLGI)	# 2
7.	Worked Penetration ASTM D - 217	265 - 295
8.	Water Resistance DIN 51 - 807	0
9.	Copper Strip Corrosion ASTM D - 4048	Negative
10.	4 Ball Wear Scar, mm ASTM D - 2266	0.5 (max)
11.	Additives	Anti-wear, Anti-rust, Anti-corrosion and Anti-oxidant
12.	Temperature Range	-50°C to 130°C

Material Safety Information required for safe usage of this product may not be included in this product bulletin and may be sought by contacting MOSIL. Users are advised to go through the Material Safety Data Sheet (MSDS) of this product prior to application / usage of this product.

All statements and information contained in this document are based on the laboratory testing and user experience on actual applications. Owing to the exhaustive possibility of application for which this product may be used and the variety of equipments, performance parameters, environmental conditions and unpredictable human factors, we strongly recommend that this product be tested on the actual application prior to its standardization. All information contained herewith is offered in good faith but without any expressed or implied warranty. This Product Bulletin may already have been revised considering the availability of raw components, legislation, user experience & expectations and enhancement of knowledge of the development team of MOSIL. Users are requested to kindly seek the latest version of this product bulletin by contacting MOSIL. Information provided in this Product Bulletin is based on the generalised expectations and requirements of users. Additional information for this product may also be sought by contacting MOSIL.

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