# ROKOLUB 60-D-2000

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TDS NUMBER: KR/616/02
PZZ.02B.F10 TECHNICAL DATA SHEET (SEMI-FINISHED PRODUCT)

**TECHNICAL DATA SHEET**

## 1. CHEMICAL COMPOSITION

Polypropylene polyethylene glycol

## 2. TECHNICAL REQUIREMENTS

| | |
|---|---|
| Appearance at 25°C | Homogeneous liquid, colourless to yellow |
| Acid value, mg KOH/g | max. 0.1<br>(ASTM D7253 - 22, bromothymol blue) |
| Water content, % (m/m) | max. 0.08<br>(ASTM D4672 - 24) |
| Kinematic viscosity at 40°C, $mm^2/s$ | 1800 – 2200<br>(ASTM D445 - 24) |
| Kinematic viscosity at 100°C, $mm^2/s$ | 260 – 320<br>(ASTM D445 - 24) |

## 3. INFORMATIVE DATA*

| | |
|---|---|
| ISO VG | 2000 |
| Molecular weight | ~5500 |
| Viscosity index | ~290 |
| Pour point, °C | <(-20) |
| Flash point, °C | >220 |
| Cloud point, °C | ~60 |
| Density at 20°C, g/ml | 1.08 |
| Contains BHT free antioxidants | |

* These informative data are not technical requirements and cannot form the basis for any claims.

## 4. APPLICATION

Rokolub 60-D-2000 is soluble in water at 20°C polyalkylene glycol, designed for use as synthetic PAG base oil, for the formulation of high performance lubricants.

The Rokolub 60-D-… series has an increased cloud point, which is an advantage when used as a component for metalworking fluids.

It can be used as:

- component for metalworking fluids and functional fluids for forming metals,
- base stock for synthetic gear oils,
- base stock for hydraulic fluids,
- base stock for synthetic gas compressor lubricants,
- component for textile lubricants.

The performance advantages offered by PAG based lubricants can be summarized as follows:

- excellent temperature-viscosity characteristics (high viscosity index, low pour point, high flash point),

- reduced wear characteristics and good Extreme Pressure performance,
- provide a high level of thermal conductivity,
- no carbonaceous residue.

The product can also be used as a component of formulations for other applications and for further chemical synthesis. For detailed information, please contact the Technical Support Department of PCC Rokita SA.

## 5. PACKAGING

Tank wagons or tanker trucks made of stainless steel, plastic containers with a capacity of 1 $m^3$, steel or plastic drums with a capacity of 200 $dm^3$ and other packaging as agreed with the customer.

## 6. STORAGE

Store in tightly closed containers, keep away from humidity. Avoid direct sunlight. Maximum storage temperature +40°C. Recommended usage temperature 20-25°C. Viscosity increases as temperature decreases.

## 7. EXPIRATION DATE

Guaranteed period of stability: 12 months from the date of manufacture. After the expiry of this period, the product can be used upon verifying the conformity of its parameters with performance requirements.

## 8. TRANSPORT

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

## 9. CLASSIFICATION AND LABELLING

This technical specification is applicable only if accompanied by the Safety Data Sheet in force. Pursuant to statutory requirements, only the Safety Data Sheet includes updated safety information.

OTHER

The information contained in this document is given in good faith, based on our current knowledge and experience. The right is reserved to make changes to the Technical Specifications as a result of technological progress and product improvement by the manufacturer. The product is intended for the purposes described in this technical specification, for industrial use and by professionals. If the Buyer wishes to use the product for purposes other than those indicated herein, the Buyer should contact PCC Rokita for consultation. We are not responsible for the manner and purpose of using our products, technical assistance and information provided (whether verbal, written or in the form of production assessments), including in the form of proposed studies and recommendations. It is therefore essential to test our products, assess the level of technical support and information provided in terms of your own needs and your own production, and check that our products, technical support and information provided are applicable and can be used in the intended applications. This analysis, adapted to the conditions of use of the product, should at least take into account the conducting of application tests and the appropriateness of the proposed solutions from a technical point of view, taking into account safety requirements, health issues and environmental protection. Unless otherwise stated in writing, our products are offered in accordance with the company's standard terms and conditions of sale made available on the website. All information, including that of a technical support nature, is provided without warranty of any kind and is subject to change without notice. The parties expressly agree that the Customer accepts and expressly releases us from any liability in tort, contract or otherwise for events arising in connection with the use of our goods as well as information and support. Any statements and recommendations not included in this document are unlawful and non-binding. Nothing in this document shall be construed as a recommendation to use the products in a manner contrary to the patent claims for materials or methods of use.