

MOLYDUVAL

Polypan O-ring grease



Special grease for O-ring assembly

A synthetic, plastic-compatible specialty grease for O-rings, small gears, cables, joints, and shafts in specific applications. Based on novel polyalphaolefins (PAO), it can replace silicone-based greases, which have poor pressure resistance, in applications where plastic compatibility is required. It is also suitable for very low or high temperatures and offers the proven wear protection and corrosion protection properties of high-performance mineral greases.

Characteristics

- * soft and supple
- * Long-term stability, therefore long service life and cost reduction
- * very good corrosion protection
- * good water resistance
- * excellent adhesion
- * low evaporation rates
- * Compatible with many plastics

Applications

- * for rolling and sliding bearings with plastic components, e.g. for seat adjustment in the automotive industry
- * for mounting O-rings
- * for gearboxes and miniature gearboxes in dental and medical devices
- * for plain bearings in measuring instruments
- * for small gear drives, seat adjustment mechanisms
- * for plain bearings in precision mechanics, musical instruments, household appliances, etc.
- * for small gearboxes with plastic components

Technical data

Color		yellow
Consistency class NLGI		1
Designation		KPHC1R-50
Base oil		PAO
Thickener		AlK
Designation		ISO-L-XEDEB1
Density at 15°C	kg/m ³	860
Viscosity Base Fluid, 40°C	mm ² /s	100
Water resistance Static	Grade	0-90
temperature range	°C	-50 -> +160
Temperature range briefly up to the dropping point	°C	200
Pourpoint base oil	°C	- 57
Flash point base oil	°C	246
Wear protection VKA welding force	N	3200

Temperature range specifications are guidelines based on the product composition and recommended applications. They may vary significantly under certain conditions or change during use.

For further information, please contact our application engineering staff!

The information on this data sheet reflects the state of our current knowledge and is intended to provide technically experienced readers with guidance on possible applications. Before using this product, it is essential to conduct tests to ensure that the product is suitable. There are several applications. Before using this product, it is essential to conduct tests to ensure that the product is suitable. It is safe, economical, and fully suitable for the specific use. Due to the complexity of tribological systems, guarantees and warranties of properties are excluded without clarification of the specific application and operating conditions. For aL