

# MOLYDUVAL

## Polypan O-Ring Fett



### Synthetic Wide-Range Grease

This multi-purpose PAO based grease is excellent for use in a wide variety of applications, especially where plastic compatibility is desired with the protection and wear prevention characteristics of a synthetic. Long life, wide temperature range, and waterproof characteristics. Use in sliding bearings, anti-friction bearings, etc. Excellent stability, Prevents rust, wide useful temperature range. Superior for wet conditions. Tacky for better adherence.

### Properties

- \* soft and smooth
- \* long-time stable, effects long life-time and low cost
- \* very good corrosion protection
- \* resistant to water
- \* excellent tackiness
- \* low volatility, evaporates extremely slowly
- \* compatible with many seals and plastics

### Applications

- \* for anti-friction and sleeve bearings with plastic parts, f..e. for seat movement in automotive
- \* for assembly of O-rings
- \* for small gear units in medicinal or pharmaceutical equipment
- \* for joints in instruments
- \* for small gears, seat displacing gears
- \* for plain bearings in precision engineering, music and household equipment
- \* for small gear boxes with plastic gears

### Technical Datas

Color		yellow
Consistency Class NLGI		1
Name		KPHC1R-50
Base Fluid		PAO
Thickener		AIK
Name		ISO-L-XEDEB1
Density 15°C	kg/m <sup>3</sup>	860
Viscosity Base Fluid, 40°C	mm <sup>2</sup> /s	100
Water Resistance Static	Grade	0-90
Temperature Range	°C	-50 -> +160
Temperature Range shortly up to	°C	200
Dropping Point	°C	260
Pour point Base Fluid	°C	-57
Flash Point Base Fluid	°C	246
Wear Protection VKA welding load	N	3200

*The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.  
Elastomer qualities behave differently. A general compatibility with certain elastomers can therefore not be assumed and must always be examined in the individual application.*

For further information, please see our website [www.molyduval.com](http://www.molyduval.com) or consult your local representative.

The content of this manual is based on our current knowledge and experience in the development and manufacture of lubricants. Because of the complexity of tribological systems, the effect of our products depends on many parameters, which we cannot assess and which influence we cannot evaluate. For this reason general statements about the function of our products are not possible. The information in this manual, therefore, contains non-binding guidelines, which should give the technical trained reader information on possible applications. The information in this manual does not include property assurances or warranties or guarantees to the properties or suitability of this product in a specific application. Prior to its use it is absolutely necessary to test this product in the application to ensure that the product and its use is safe, economical and fully suitable. It should proceed with due diligence.