

# MOLYDUVAL

## Polypan LKA 2 LVT



### 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

- \* good anticorrosive properties
- \* water refusing
- \* high pressure ability
- \* strong tackiness
- \* extreme frost resistant
- \* biodegradable
- \* free of silicones
- \* good walking resistance
- \* low danger of forming residues or carbon
- \* relative good compatible with many usually used sealants
- \* low starting torque
- \* free of resins
- \* compatible with many seals and plastics
- \* PTFE solid lubricant share offering additional friction reducing
- \* free of acids

### Applications

- \* for fittings, for example cocks and plugs
- \* for anti-friction and sleeve bearings at low or changing temperatures
- \* for instruments in precision engineering
- \* for hinges, joints, rails, guidelines
- \* for anti-friction or sleeve bearings in cooling equipment
- \* for small gear units in medicinal or pharmaceutical equipment
- \* for lubrication of small gears at high speed
- \* for joints in instruments
- \* for gears of radar or telegraphic equipment
- \* for tachometer axles
- \* for door and similar locking systems
- \* for small roller bearings with high turns
- \* for sun roofs in automotive
- \* for interior systems in automotive

### Technical Datas

Color		beige
Consistency Class NLGI		2
Name		KPFHC2N-60
Base Fluid		PAO
Name		ISO-L-XEDIB2
Density 20°C	kg/m³	880
Viscosity Base Fluid, 40°C	mm²/s	27
Water Resistance Static	Grade	1-90
Temperature Range	°C	-60 -> +140
Temperature Range shortly up to	°C	200
Corrosion Protection copper	Grade	1
Utility Time	h	140
nd value n-d		1.000.000
Dropping Point	°C	260
Corrosion Protection Emcor, WWO, distilled water	Grade	0

*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.*

*The indicated speed factors are guide values which depend on the type and diameter of the bearing and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.*

*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.