

MOLYDUVAL

Ciric LM 1 K



High Temperature Metal-Compound

A copper-based anti-seize lubricant suspending copper and graphite in a high-quality grease. It is suitable for high temperature lubrication of screws and sliding parts. The high content of solid lubricants, mainly metal powders, reduces friction to a minimum, losing after long periods is possible, and it protects parts from rusting, corroding, galling and seizing in conditions up to 2,000°F.

Properties

- * protects against rust and tribo corrosion
- * insensitive against humidity
- * compatible with mineral oil
- * water refusing
- * high pressure ability
- * free of aromatic hydrocarbons, acids, resins
- * strong tackiness
- * solid lubricants effective up to 1200°C
- * good sealing properties against corrosive gases and fluids
- * free of lead and nickel
- * good heat deduction

Applications

- * for preparation of packings
- * for hot screw connections at turbines, exhausts, cogwheels, valves, chains, slidings, waves
- * for wheel bearings of trolleys in drying chambers, for example in brickyards, pottery and porcelain factories
- * for thread pipe connection
- * for slidings, guidelines, joints at slow moves and high pressures
- * for sealing connections
- * for screw and nut connection at aggressive conditions, acids or alkali solvents.
- * for bearings at calenders

Technical Datas

Color		copper
Consistency Class NLGI		1
Base Fluid		Min
Thickener		LiK
Density 20°C	kg/m ³	1040
Temperature Range	°C	-20 -> 1200
Temperature Range solid lubrication	°C	1050
Dropping Point	°C	190

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.

For further information, please see our website 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.