

## OKB 122-7 Grease (GOST 18179-72)

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### DESCRIPTION:

**OKB-122-7 GREASE (GOST 18179-72)** is a organo silicon liquid based lubricating grease blend of synthetic petroleum base oil thickened with lithium stearate soap and ceresin for friction units of electrical machines and aircraft systems. The main characteristics of **OKB-122-7 GREASE** has anti-wear, anti-corrosion, anti-rust and anti-oxidant properties, water resistance properties, satisfactory colloidal and chemical & mechanical stability. This grease has superb physicochemical properties such as high shear strength and tensile limit is efficient with the temperature range from -60°C to +120°C. It is used in bearings of aviation & aircraft electric vehicles and jig boring machines, precision bearings, fine precision mechanism, electric machines.

### APPLICATIONS

- **OKB-122-7 GREASE (GOST 18179-72)** is suitable for lubrication of ball bearing and toothed or helicoids gears under medium loads and for friction units of air crafts, ships, submarines, multi-axis boring machines, aviation engineering, in sealed-for-life units in automotive, aircraft and industrial applications etc, especially with its anti-wear capabilities in the temperature range of -60°C to +120°C.
- It is also used in aviation & aircraft electric vehicles and jig boring machines, precision bearings, precision mechanism, electric machine & general purpose grease.

### ADVANTAGES & BENEFITS

**Performance standard meets: Substitute to GOST 18179-72 • Substitute to OKB 122-7**

- Single grease applications for defense equipment military automotive, Aviation & Shipping.
- Special synthetic base oil provides excellent low-torque and low temperature properties
- Excellent oxidation stability for extended grease life needed for filled for life applications
- Very good water resistance washout ensures proper lubrication even in the presence of contamination water.
- Low volatility base oil permits operation at moderate to high temperature without fluid evaporation.
- High protective properties, water resistance, high chemical & colloidal stability, low volatility, long-term storage, high conservation properties.

## **PROPERTIES OF OKB-122-7 GREASE (GOST 18179-72)**

<b>Thickener Type</b>	<b>Lithium + EP Properties</b>
<b>Colour &amp; Appearance</b>	<b>Homogeneous ointment with smooth structure of light yellow to light brown paste</b>
<b>Base Oil Type</b>	<b>Silicon liquid based Synthetic base oil</b>
<b>Penetration at 25°C, 0,1 mm</b>	<b>175-205</b>
<b>Evaporation loss, 22 h at 100°C %</b>	<b>0.4</b>
<b>Volatility at 100 °C during 1 h, not more</b>	<b>3.5</b>
<b>Colloid stability of allocated oil not more than, %, max.</b>	<b>10,0</b>
<b>Viscosity at 0°C and rate of deformation average gradient 10s-1, Pa•s, max.</b>	<b>500</b>
<b>Gradient of deformation is 1000 sec, not less than Effective viscosity, Pa, at 50°C</b>	<b>1.2</b>
<b>Effective viscosity, Pa, at -30°C</b>	<b>700</b>
<b>Effective viscosity, Pa, at -50°C</b>	<b>1800</b>
<b>Strength limit at 50 °C, Pa, not lower</b>	<b>120</b>
<b>Contents of water %</b>	<b>Absence</b>
<b>Corrosive influence on metals</b>	<b>Withstands</b>
<b>Contents of mechanicals impurities%</b>	<b>Absence</b>
<b>Mass fraction of alkali in terms of NaOH, %, no more</b>	<b>0,03</b>
<b>Operating temperature range °C</b>	<b>-60°C to +120°C</b>
<b>Additives</b>	<b>Anti: wear, rust, corrosion &amp; oxidant</b>

**POWERMAXX LUBE INDIA**

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