



## **CHALLOILS LITHIUM EP**

*Fats of general use*

### **Product Description:**

**LITHIUM EP** are a high-performance lithium grease, formulated for high protection against wear, rust and water washout.

### **Application:**

This fats are particularly suitable for the lubrication of gears and bearings in poorly sealed gear cases recommended for many industrial applications. Main impeggo on machinery of any type in which a grease lubrication is required in the presence of high loads, (EP) impact or vibration (earth moving machines, machine tools and textiles, pumps, electric motors, etc.). They can also be used for the lubrication of pins, joints, articulated joints, rails, racks, etc. The operating temperatures may vary from -25 ° C to + 130 ° C.

### **Features and Benefits:**

- Universality of use
- A long operating life.
- Excellent mechanical stability.
- Excellent lubricating properties.
- Good rust protection.
- Good water resistance.

### **Typical properties:**

### **CHALLOILS LITHIUM EP**

Thickener	Lithium	Lithium	Lithium	Lithium
Consistency NLGI	0	1	2	3
Appearance	Smooth-textured	Smooth-textured	Smooth-textured	Smooth-textured
Color	Amber	Amber	Amber	Amber
Poit Drop, °C, ASTM D-556	>185	>185	>185	>185
Worked Penetration, 60 colpi a 25°C, dmm, ISO 2137	370	325	280	235
Corrosion Test, ASTM D-1743	Pass	Pass	Pass	Pass
Oxidation stability (100 h at 100°C), Kg/cm <sup>2</sup> , ASTM D-942	<0,5	<0,5	<0,5	<0,5
Washout resistance (1 h at 79°C), %, ASTM D-1264	5	5	5	5
Classification DIN, DIN-51502	K1K-30	K1K-30	K1K-30	K1K-30

### **Health and Safety:**

The data related to health, safety and environmental protection are provided in the material safety data sheets.

*The above figures are those relating to normal manufacturing tolerances and do not constitute a specification.*

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