



# NIGMOLD L

Grease for Electric Injection Molding Machines

## PRODUCT DESCRIPTION

**NIGMOLD L** is a grease, mainly composed of refined mineral oil as base oil and lithium soap as thickener, having properties that are required as grease for electric injection molding machines, including anti-wear property, EP property, pumpability, and metal corrosion resistance.

## FEATURES

### 1. Excellent EP property/anti-wear property

Ball screw parts of electric injection molding machine, to where high load is applied, require a grease having excellent EP property and anti-wear property.

**NIGMOLD L** is the EP grease excellent in anti-wear property, in combination with EP additive and anti-wear agent.

### 2. Excellent pumpability

As being greased to each part through thin pipes, a grease for electric injection molding machine has to be the one excelling in pumpability.

**NIGMOLD L** has excellent pumpability even in winter when oil fluidity lowers, and does not contain any solid lubricant that may cause a pipe clogging.

### 3. Good metal corrosion resistance.

**NIGMOLD L** has no adverse effects on metals like copper/copper alloy that is used in pipes.

### 4. Good compatibility with other products

Because using the same type of thickener as the lithium soap greases you use now, it is easy to change the grease to **NIGMOLD L**.

## APPLICATIONS

Lubrication points of electric injection molding machines with centralized greasing system.

e.g.) Ball screws for injection; for opening mold; for ejector, toggle mechanical section

## OPERATING TEMPERATURE RANGE

−20°C~+120°C

## PACKAGES

700cc cartridge      6 cartridges/case

400cc cartridge      20 cartridges/case

## TYPICAL PROPERTIES

TEST ITEM	TYPICAL VALUE	TEST METHOD
Appearance	Light yellow, Butyroid	Visual
Worked Penetration (25°C)	325	JIS K2220 7
Dropping Point	°C 199	JIS K2220 8
Copper Corrosion (100°C 24h)	Pass	JIS K2220 9
Evaporation Loss (99°C 22h)	mass% 0.29	JIS K2220 10
Oil Separation (100°C 24h)	mass% 4.3	JIS K2220 11
Oxidation Stability (99°C 100h)	kPa 5	JIS K2220 12
Apparent Viscosity (0°C 10s <sup>-1</sup> )	Pa·s 70	JIS K2220 19
Four Ball Test Load-carrying Capacity WL	N 3089	ASTM D 2596
Four Ball Test Worn Trace	mm 0.40	ASTM D 2266 Compliant

●Please read handling instructions on the container carefully when you use this product.

●Described properties and performances do not necessarily guarantee accuracy and perfection. These are subject to change without notice.

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