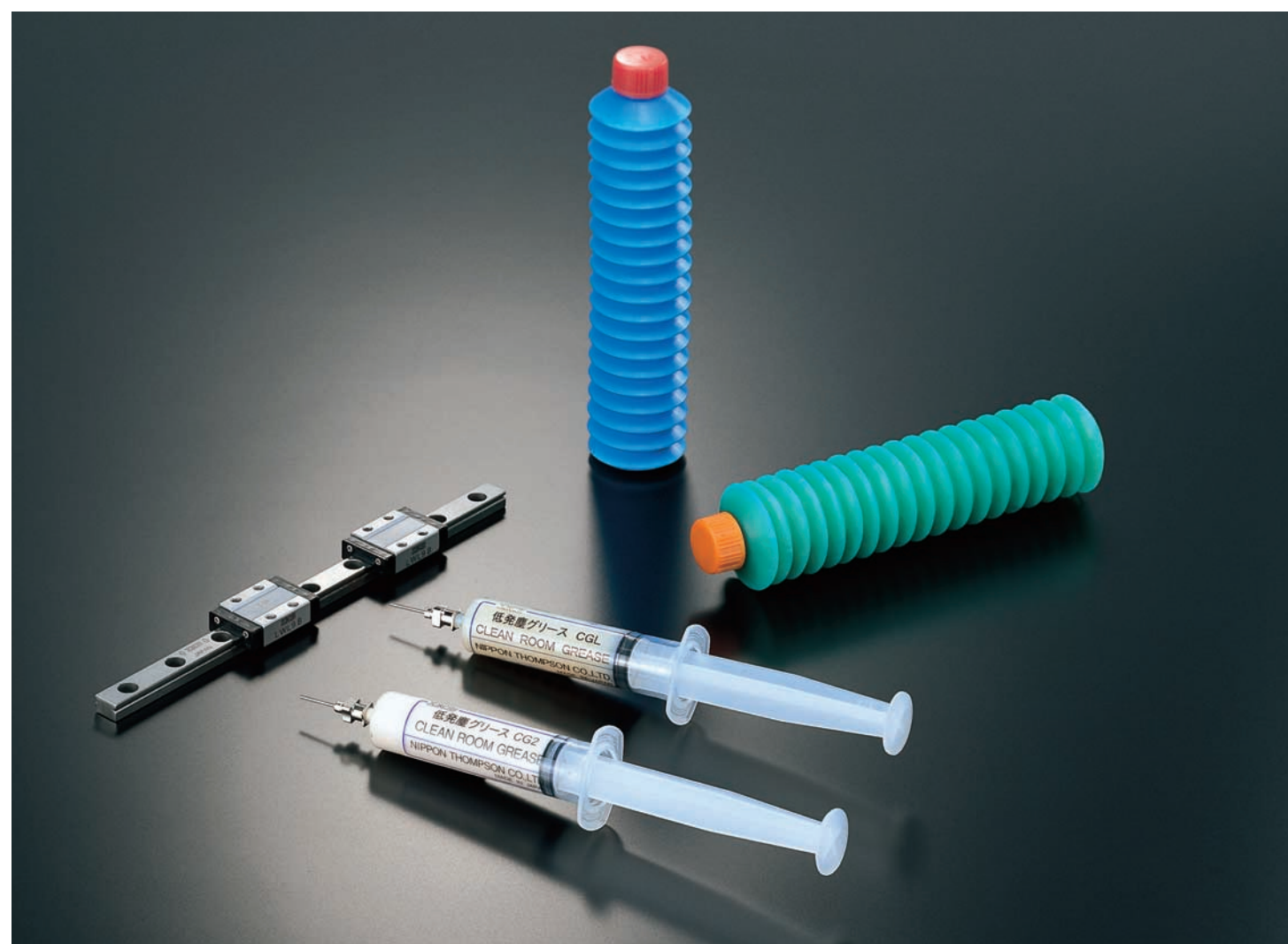


# CG2·CGL

# CG2·CGL



CAT-5944

### NIPPON THOMPSON CO., LTD.

Head office : 19-19 Takanawa 2-chome  
 Minato-ku, Tokyo 108-8586, Japan  
 Phone : +81 (0)3-3448-5850  
 Fax : +81 (0)3-3447-7637  
 E-mail : ntt@ikonet.co.jp  
 URL : <http://www.ikonet.co.jp/eg/>  
 Plant : Gifu, Kamakura

### Nippon Thompson Co., Ltd.

- ASEAN REPRESENTATIVE OFFICE  
 586 Luang Road, Pomprab  
 Pomprab Satrupai, Bangkok  
 Thailand 10100  
 Phone: +66 (0)-2623-3699  
 Fax: +66 (0)-2623-0716  
 E-mail: iko@anet.net.th
- CHINA REPRESENTATIVE OFFICE  
 Shanghai Apollo Business Center 619  
 1440 Yan An C. Road, Shanghai 200040  
 People's Republic of China  
 Phone: +86 (0)21-6248-1120  
 Fax: +86 (0)21-6249-6835

### IKO International, Inc.

- 91 Walsh Drive  
 Parsippany, NJ 07054  
 U.S.A.  
 Phone: +1 973-402-0254  
 Toll Free: 1-800-922-0337  
 Fax: +1 973-402-0441  
 E-mail: eco@ikonet.co.jp
- 500 East Thorndale Avenue  
 Wood Dale, IL 60191  
 U.S.A.  
 Phone: +1 630-766-6464  
 Toll Free: 1-800-323-6694  
 Fax: +1 630-766-6869  
 E-mail: mwo@ikonet.co.jp
- 20170 South Western Avenue  
 Torrance, CA 90501  
 U.S.A.  
 Phone: +1 310-609-3988  
 Toll Free: 1-800-252-3665  
 Fax: +1 310-609-3916  
 E-mail: wco@ikonet.co.jp
- 2150 Boggs Road, Suite 100  
 Duluth, GA 30096  
 U.S.A.  
 Phone: +1 770-418-1904  
 Toll Free: 1-800-874-6445  
 Fax: +1 770-418-9403  
 E-mail: seo@ikonet.co.jp
- 8105 N. Beltline Road  
 Suite 130, Irving, TX 75063  
 U.S.A.  
 Phone: +1 972-929-1515  
 Toll Free: 1-800-295-7886  
 Fax: +1 972-915-0060  
 E-mail: swo@ikonet.co.jp

### Nippon Thompson Europe B.V.

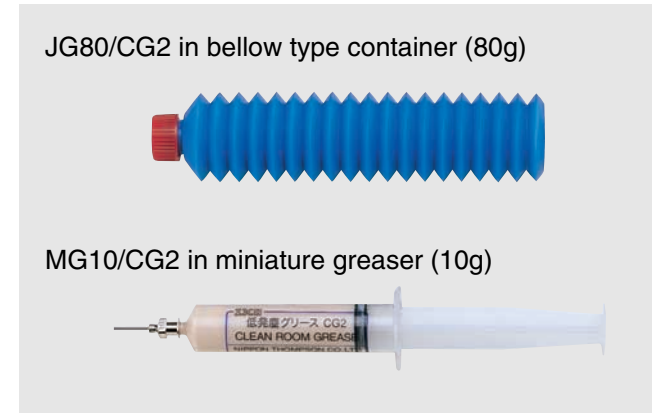
- Sheffieldstraat 35-39  
 3047 AN Rotterdam  
 The Netherlands  
 Phone: +31 (0)10-4626868  
 Fax: +31 (0)10-4626099  
 E-mail: nte@ikonet.co.jp
- Mündelheimer Weg 56  
 40472 Düsseldorf  
 Germany  
 Phone: +49 (0)211-414061  
 Fax: +49 (0)211-427693  
 E-mail: ntd@ikonet.co.jp
- Donaustauer Str. 200  
 93059 Regensburg  
 Germany  
 Phone: +49 (0)941-447737  
 Fax: +49 (0)941-447747
- Gruben Str.95c  
 66540 Neunkirchen  
 Germany  
 Phone: +49 (0)6821-742535  
 Fax: +49 (0)6821-742536
- 2 Vincent Avenue, Crownhill  
 Milton Keynes Bucks MK8 OAB  
 United Kingdom  
 Phone: +44 (0)1908-566144  
 Fax: +44 (0)1908-565458  
 E-mail: sales@iko.co.uk
- Autovia Madrid-Barcelona, Km. 43,700  
 Polig. Ind. AIDA, A-8, Ofic. 2, 1ª  
 19200-Azuqueca de Henares  
 Guadalajara, Spain  
 Phone: +34 949-263390  
 Fax: +34 949-263113  
 E-mail: nts@ikonet.co.jp
- Roissypole Le Dôme  
 2 rue de La Haye  
 BP 10950 Tremblay en France  
 95733 Roissy C. D. G. Cedex  
 France  
 Phone: +33 (0)1-48165739  
 Fax: +33 (0)1-48165746  
 E-mail: ntf@ikonet.co.jp

Although all data in this catalog has been carefully compiled to make the information as complete as possible, NIPPON THOMPSON CO., LTD. shall not be liable for any damages whatsoever, direct or indirect, based upon any information in this catalog. NIPPON THOMPSON CO., LTD. makes no warranty, either express or implied, including the implied warranty of merchantability or fitness for a particular purpose.

For the manufacturing process in the advanced industrial fields such as semiconductor, liquid crystal and computer peripheral units, high level of cleanness is required because even very fine dust particles suspended in the air adversely affect to the quality of the products. In these industrial fields, the environmental control technologies using the clean room are necessary and the mechanical components and level of low dust generating performance is required for the linear motion rolling guides for the equipments used in clean room. IKO Low dust generation grease has superior lubricating and rust preventing performances as well as minimal generating feature comparable to that of high vacuum grease.

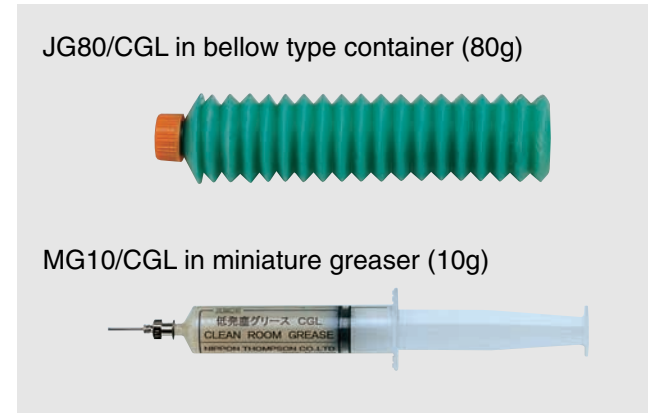
## CG2 Grease

IKO CG2 grease is a low dust generation grease consists of synthetic base oil and urea type thickener. This grease has superior performances for wide range of temperature, lubrication performance, rust prevention and oxidation stability.



## CGL Grease

IKO CGL grease has blended soaps for thickener and synthetic oil and petrolatum with low fluid point for base oil. In addition to its superior low dust generating, feature, it provides minimal level of rolling resistance as well as high lubricating and rust preventing performance.



## Features

- 1 Superior low dust generating performance suitable for clean room use.
- 2 Stable rolling resistance (CGL has low thickness.)
- 3 Wide operation temperature range (CG2 good for  $-40^{\circ}\text{C}$  to  $200^{\circ}\text{C}$ \*)
- 4 Superior oxidation stability (CG2)
- 5 High durability
- 6 Excellent rust prevention capability

Note \*1 Continuous use near the temperature limits is not recommended.

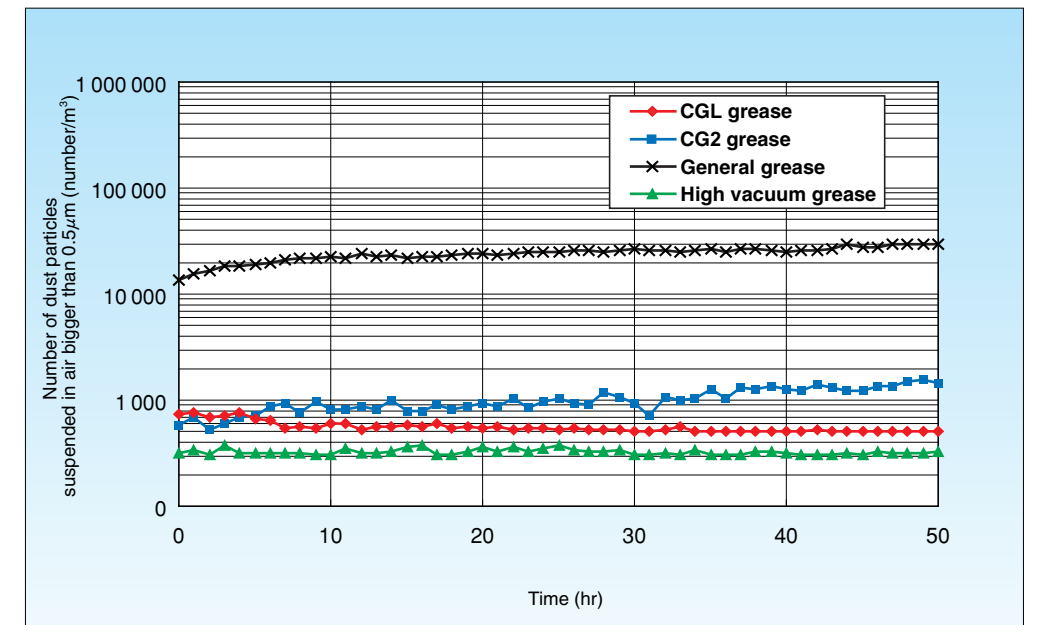
## Base properties

Test item and condition	CG2	CGL	Test method
Appearance	Light brown	White	
Base oil	Synthetic oil	Synthetic oil and petrolatum	
Thicker	Urea	Lithium and calcium	
Worked penetration	280	225	JIS K 2220
Dropping point	260 <	183	JIS K 2220
Oil separation	% 100°C, 24h	0.7	JIS K 2220
Oxidation stability	kPa 99°C, 100h	35	JIS K 2220
Working stability	310	329	JIS K 2220
Corrosion prevention on bearings	52°C, 48h	Passed	ASTMD1743
Base oil kinematic viscosity	mm <sup>2</sup> /s 40°C	36.3	JIS K 2283

## Dusting Characteristics

### Test condition

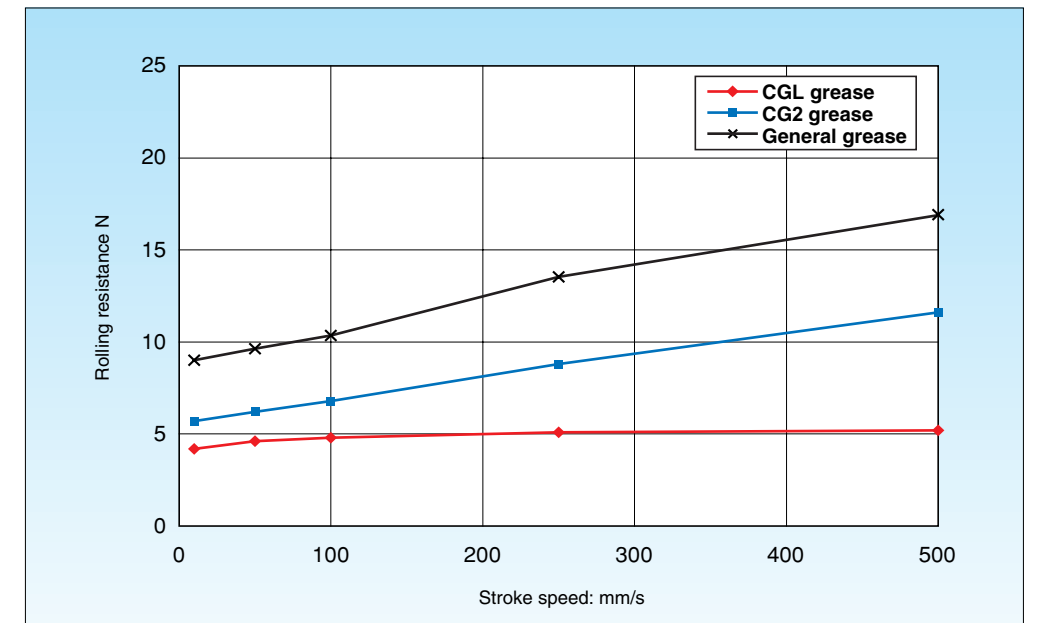
Test piece: LWL9B  
Stroke speed: 1m/s  
Pre-packed grease amount: 0.027cc/circulation row  
Measuring equipment: Particle counter



## Rolling resistance

### Test condition

Test piece: LWHD30 T<sub>1</sub> preload  
Pre-packed grease amount: 1.1cc/circulation row



## Caution



- During handling grease, put on goggles or face shield for eye protection and gloves to avoid skin contact. Contact with grease may cause inflammation. (First-aid) Eyes: Rinse eyes with a plenty of water and get medical attention immediately. Ingestion: Do not induce vomiting and get medical attention immediately.
- After handling grease, wash skin with a plenty of soap water.
- Do not expose grease to high temperatures, because it is a flammable item. Flash point is 220°C. (428°F)
- Storage: Put on the cap tight. Avoid exposure to sunlight and high temperatures. And keep it in a cool and dark place.
- Disposal method: Dispose it in a manner consistent with applicable regulations.

● IKO Linear Motion Rolling Guide with pre-packed CG2 or CGL can be delivered on request. Please consult IKO.