

Description

At manufacturing site, improving productivity and reducing cost per unit are urgent issues these days. As a result, the load on the grease also increasing, and the grease has been required greater torque characteristics and heat resistance. DAPHNE Eponex RG-M is the grease for robot reduction gears, it has excellent low temperature torque and heat resistance characteristics, and is also effective for extending reduction gear's fatigue life.

Features & Characteristics

1. Eponex RG-M is lithium soap grease, and it is using ultra high viscosity index base oil. It has not only excellent heat resistance characteristics but also excellent low temperature performance.
2. Eponex RG-M will contribute to extend reduction gear life and grease life by optimizing prescription of anti-oxidant and extreme pressure agents.
3. By optimizing ultra high viscosity base oil and viscosity improver, the oil film is maintained at high temperature and keep fluidity at low temperature. It contribute to prevent seizure and short&often stoppage.
4. By optimizing the formulation of additives, Eponex RG-M can suppress sludge generation.

Precautions for Use

The Original performance may not be exhibited under mixed use with different greases.

Typical Specifications

Analysis Items	Test Method	Unit	Representative value
Thickener	-	-	Lithium
Base Oil Type			Mineral (HVI)
Base Oil Kinetic Viscosity [40°C]	JIS K2283	mm ² /sec.	52
Color Tone			Light yellow
Worked Penetration [25°C, 60W]	ASTM D217	-	381
Dropping Point	ASTM D 2265	°C	185
Evaporation loss [99°C, 22hrs]	ASTM D 942	wt%	0.8
Oil Separation [100°C, 24hrs]	ASTM D 1742	wt%	14.1
Apparent Viscosity [-10°C, 10s ⁻¹]		Pa · sec.	52
Low Temperature Torque [-10°C]	ASTM D 1478	mN · m	Starting 29 Rotating 9.1
High Speed 4 balls wear resistance [75 °C, 392N, 1200rpm, 60min]	ASTM D 2266	mm	0.45
High Speed 4 balls load capacity (WL) [1800rpm, 10s]	ASTM D 2596	N	LNL 785 WL 2452 LWI 427

Package

16kg Pail

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provide in the Safety Data Sheet (SDS) are followed.

- SDS is available upon request through your sales contract office, or via the internet.
<https://www.idemitsu.com/jp/business/lube/>

- Due to continual product research and development, the information contained herein is subject to change without notification.

Malaysia
Idemitsu Lube (Malaysia) Sdn. Bhd.

Kuala Lumpur Branch
 Tel: (60) 3 6157 9529 Fax: +60 3 6157 9636
Johor Branch
 Tel: (60) 7 550 0460 Fax: +60 7 550 0466
Penang Branch
 Tel: (60) 4 501 2268 Fax: +60 4 501 2269

Singapore Branch
 Tel: (65) 6256 6843 Fax: +65 6256 6384

Thailand
Apollo (Thailand) Co., Ltd
 Tel: (66) 3 845 6900 Fax: (66) 3 821 0099

Vietnam
Idemitsu Lube Vietnam Co., Ltd.
 Tel: (84) 31 3246 508 Fax: (84) 31 3246 509

India
Idemitsu Lube India Pvt. Ltd.
 Tel: (91) 11 66794200 Fax: (91) 11 66794259

Indonesia
PT. Idemitsu Lube Techno Indonesia
PT. Idemitsu Lube Indonesia
 Tel: (62) 21 8997 7630

Philippines
Idemitsu Lubricants Philippines Inc.
 Tel: (63) 2 8 282 855 Fax: (63) 2 8 524 0617