

## Technical Data Sheet

### DAPHNE GREASE MP

*“Multipurpose grease combined the best properties of heat resistance and EP”*

#### 1. Application

DAPHNE GREASE MP is specially developed to withstand heat, water and/or extremely pressure conditions. And this grease is widely used for many applications such as construction machine, Industrial machineries, wire rope, paper mills, etc. And this grease is useable on centralized lubrication system.

#### 2. Quality

DAPHNE GREASE MP is composed by Lithium Soap which has outstanding characteristics such as heat resistance, water resistance extremely pressure and mechanical shearing stability. And this grease is a range of multi-functional, high quality lithium soap base grease specially formulated with highly refined mineral oil with various additives such as anti-rust preventive and oxidant.

#### 3. Characteristics

- ✓ DAPHNE GREASE MP has excellent properties of water resistance and mechanical shearing stability.
- ✓ DAPHNE GREASE MP has the best property of heat resistance, and is resistance to softening on high temperature over 100deg C.
- ✓ In addition, in spite of based on mineral oil, DAPHNE GREASE MP has more superior oxidation stability than many general grease.

#### 4. Typical Specification

Test items [unit]			Typical				Test Method (ASTM)
NLGI No.			No.0	No.1	No.2	No.3	-
Thickener type			Lithium				-
Base oil type			Mineral				-
Color			Light Yellow				Visual
Kinematic viscosity	mm <sup>2</sup> /s	40 deg C	150				D 445
Penetration	-	25deg C,60W	361	338	276	247	D 217
Dropping point	deg C	-	202	213	212	215	D 2265
Evaporation loss	wt%	99deg C, 22hrs	0.18	0.2	0.18	0.12	D 942
Oil separation	wt%	100deg C, 24hrs	9.4	6.7	1.7	0.4	D 1742
Oxidation stability	kPa	99deg C, 100hrs	15	25	30	20	D 972
Water washout	wt%	38deg C, 1hr	1.1	0.8	0.3	0.2	D 1264
Copper corrosion	-	100deg C, 24hrs	Pass	Pass	Pass	Pass	D 4048
Four ball (wear)	mm	1200rpm, 392N, 75deg C, 1hr	0.50	0.52	0.55	0.53	D 2266
Four ball (EP)	N	RT, 1800rpm   WL	2452	2452	2452	2452	D 2596

#### 5. Recommended service range

- ✓ -20 to 130deg C

#### 6. Package and packing (Order Products)

- ✓ 180KG drum , 16KG pail, Carton box (20 pieces of 400gram cornice in a Carton.)
- ※ Only 16KG pail in No.3

**The performance and specifications are results of our tests, and are NOT a guarantee of accuracy and or completeness.**

**Idemitsu Kosan Co., Ltd Lubricants Department 2 TEL: +81-3-3213-3168**