

## Product Information

## High Performance

## Lubricants

# MOLYKOTE<sup>®</sup> HP-830 Grease

### Thermally conductive PFPE grease

#### FEATURES

- ◆ Good compatibility with plastics and rubber
- ◆ Wide temperature range, from -20 to 200°C
- ◆ Good thermal conductivity
- ◆ No negative effect on electrical contacts

#### BENEFITS

- ◆ Good thermal conductivity will aid in heat transfer from lubricated components

#### COMPOSITION

- ◆ Perfluoropolyether oil
- ◆ Additives

#### APPLICATIONS

- ◆ Lubrication of plastic parts in automobiles, electric equipment, audio-visual equipment, precision equipment, office equipment, etc. where thermal conductivity is desired.

#### TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

CTM*	ASTM/FTM/JIS*	Property	Unit	Value
		Appearance	Color	White
	ASTM D445	Viscosity (40°C)	mm <sup>2</sup> /S	420
	JIS K 2220	Penetration (un-worked)		220
		Service temperature range	°C	From -20 to 200
	JIS K 2220	Dropping point	°C	None
	FTM 791-321	Bleed (200°C/24 hours)	%	2.5
	FTM 791-321	Evaporation (200°C/24 hours)	%	0.3
		Thermal conductivity	W/m·K	1.00

\* CTM : Corporate Test Method, copies of CTM's are available on request.

ASTM: American Society for Testing and Materials

FTM: Fed. Test Method Standard

JIS: Japanese Industrial Standards

#### HOW TO USE

Clean point of lubrication. As is usual with lubricating grease, apply or fill by means of brush, or spatula.

#### HANDLING PRECAUTIONS

This product is chemically inert and non-toxic. However, decomposed gas at over 250°C is hazardous. Ventilation is required when decomposition is expected.

handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at [www.molykote.com](http://www.molykote.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

Product safety information required for safe use is not included. Before

## **USABLE LIFE AND STORAGE**

When stored in unopened containers, this product has a usable life of 36 months from the date of production.

## **PACKAGING**

This product is available in 500g

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

## **LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY**

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