



**NIPPON GREASE CO., LTD.**

Toyosaki Bldg.,  
18-21 Chayamachi Kita-ku Osaka 〒530  
TEL(06)373-0171 FAX(06)373-0174

## **NIG – ACE DNA**

### **Epoch Making Grease for Exclusive Use on Plastic Ball Joint**

**NIG-ACE DNA**, consisting of synthetic oil as base stock and thickened with heat resisting special thickener and formulated of various waxes, is lubricating grease for exclusive use on plastic ball joint. Compared with conventional wax type greases, **NIG-ACE DNA** has special characteristics of high thermal stability and will never get liquefied even under high temperature environment. And the product is also attributed of very few changes in penetration and base oil viscosity under low temperature enabling it to use under wide temperature range.

It is possible to provide stabilized running torque by using **NIG-ACE DNA**.

**NIG-ACE DNA** is excellently compatible with plastic also.

**NIG-ACE DNA** is patented grease developed in mutual cooperation with Daihatsu Motor Co. Limited and Nippon Grease Co., Ltd.

#### ❖ **SPECIAL FEATURES :**

1. Excellently heat resistive and in thermal stability.
2. Resistive to low temperature.
3. Torque will hardly be affected by temperature variation.
4. Excellently compatible with plastic.
5. Possible to load to lubricating required points by pumping.

#### ❖ *TYPICAL PROPERTIES*

TEST ITEMS	TYPICAL DATA	TEST METHODS
Appearance	White colored buttery	Visually observed
Worked Penetration (25°C, 60 times)	279	JIS K 2220 5.3
Low temperature Penetration (-20°C)	124	JIS K 2220 5.3 base on
Drop Point °C	Over 200	JIS K 2220 5.4
Copper Corrosion (100°C, 24h)	Pass	JIS K 2220 5.5
Evaporation Loss (99°C, 22h) mass %	0.20	JIS K 2220 5.6
Oil Separation (100°C, 24h) mass %	3.0	JIS K 2220 5.7
Oxidation Stability (99°C, 100h) M P a	0.029	JIS K 2220 5.8
Plastic Compatibility (Appearance) (70°C, 120h)	Duracon	No change
	Polyester	No change