



EXTREME TEMPERATURE RANGE SILICONE GREASE
G-372 – XG 300 – MIL-G-25013E

DESCRIPTION

NYCO GREASE GN 25013 is an NLGI 2 Grade grease, based on a high performance silicone oil thickened with polytetrafluoroethylene and reinforced with anti-corrosion and antioxidant additives. Its operating temperature is extremely wide from -73°C to +232°C.



APPLICATION

NYCO GREASE GN 25013 is intended for ball and roller bearings where operation of low torque equipment at low temperature and lubrication for extended periods at high temperature is required (aircraft actuators and gearboxes).

NYCO GREASE GN 25013 may also be used in industrial applications up to 230°C, in bearings with a speed factor below 200,000.

NYCO GREASE GN 25013 is compatible with all generally used elastomers and especially Ethylene-Propylene Rubber (EPDM). Silicone rubbers should be avoided.

CHARACTERISTIC	UNIT	RESULT	MIL-G-25013E LIMIT	TEST METHOD
- Appearance	-	homogeneous white grease	-	visual
- Dropping point	°C	240	min 230	ISO 2176
- Worked penetration	1/10mm			ISO 2137
60 strokes		295	260 to 320	
100 000 strokes		310	260 to 375	
- Oil separation after 30h at 232°C	%w	6	max 7.5	ASTM D 6184
- Evaporation loss after 22h at 205°C	%w	2.7	max 4.0	ASTM D 2595
- Copper corrosion after 24h at 100°C	-	1b	max 1b	ASTM D 4048
- Oxidation stability, 100h at 121°C	kPa	14	max 35	ASTM D 942
- Rust preventive properties	-	pass	pass	ASTM D 1743
- Water washout at 40°C	%w	3	max 20	ASTM D 1264
- Torque at -73°C (starting / 1h)	Nm	0.08 / 0.01	max 0.35 / max 0.05	ASTM D 1478
- Bearing performance at 232°C	h	600	min 500	ASTM D 3336

The values above are typical values. They do not constitute any contractual commitment. Sales specifications are available on request. The present technical data sheet replaces all the previous editions.

