NYCO AERONAUTICS & DEFENCE

TECHNICAL DATA SHEET

NYCO GREASE GN 22

GENERAL PURPOSE AIRCRAFT SYNTHETIC GREASE

NATO CODE G-395 – DCSEA 395/B (AIR 4222) – MIL-PRF 81322 G
DEF-STAN 91-52 Iss.1 Amd.2 – XG-293

DESCRIPTION

Nyco Grease GN 22 is a NLGI 2, clay-thickened grease, based on a synthetic hydrocarbon oil with a viscosity of 7 cSt at 100°C. It is inhibited against corrosion, oxidation and contains anti-wear/extreme pressure additives.
It can be used from -65 to +177°C.

MAIN APPLICATIONS

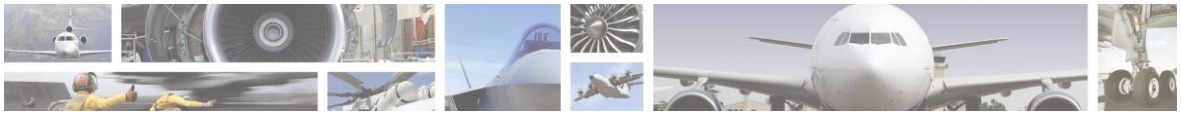
- Airframe multipurpose grease (doors, flaps, slaps, landing gear, THS, …) of most civil and military aircrafts and helicopters
- Wheel bearings of most of civil and military aircrafts and helicopters
- Main and tail rotor of helicopter

Airbus CML 03GBB1 **ATR CML 04-004B** **CFMI CP 5076**

In process of being replaced by **Nyco Grease GN 3058** for application in wheels bearings.

Characteristic	Unit	Typical Result	MIL-PRF-81322 G Limit	Test method
- Appearance	-	homogeneous, smooth brown grease	homogeneous, smooth grease	visual
- Viscosity of Base Oil at 40°C at 100C	mm²/s	 40 7.3	 - -	ASTM D 445
- Dropping point	°C	265	min. 232	ASTM D 566
- Worked penetrability After 60 strokes After 100 000 strokes	1/10 mm	 276 330	 265 - 320 max. 350	ASTM D 217 FTM-S-791-313
- Oil separation, 30 h at 177°C	%w	5.1	2.0 - 8.0	ASTM D 6184
- Evaporation loss, 22 h at 177°C	%w	4.9	max. 10.0	ASTM D 2595
- Copper corrosion, 24h at 100°C	-	1a	max. 1b	ASTM D 4048
- Steel on steel wear, 1h at 392 N	mm	0.7	max. 0.80	ASTM D 2266
- Load carrying capacity (LWI)	daN	36	min. 30.0	ASTM D 2596
- Bearing performance at 177°C	h	pass	> 400	ASTM D 3336
- Oxidation stability at 100°C, after 100h / 500h	kPa	21 / 63	max. 83 / max 172	ASTM D 942
- Water washout at 38°C	%w	2.0	max 20	ASTM D 1264
- Torque at -54°C (starting / 1h)	Nm	0.24 / 0.04	max 1.00 / max 0.10	ASTM D 1478
- Bearing corrosion test	-	pass	no corrosion	ASTM D 1743
- Elastomer NBR-L compatibility, 168h at 70°C	%v	3	max. 10	ASTM D 4289

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.



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