



AIRCRAFT SYNTHETIC GREASE WITH SOLID LUBRICANT

NATO CODE G-353 – XG-276 – DCSEA 353/A (ex-AIR 4217)
MIL-G-21164 D – DEF-STAN 91-57 Iss.2

DESCRIPTION

Nyco Grease GN 17 is a soft NLGI 2 grease, based on a synthetic diester oil thickened with a lithium soap. It is fortified with anti-corrosion, antioxidant and anti-wear additives. It also contains 5% of molybdenum disulphide as solid lubricant.



APPLICATIONS

- Actuators
- Airframe multipurpose grease (doors, flaps, slaps, landing gear...)
- Shock-loading bearings & roller
- Parts in sliding motion
- Helicopter systems
- Landing gear
- Extremely heavy load (graphite, molybdenum...)
- Temperature range: -73°C to +121°C

Characteristic	Unit	Typical Result	MIL-G-21164 D Limit	Test method
- Appearance	-	conform	Homogeneous, brown colour	visual
- Viscosity of Base Oil At 40°C At 100°C	mm²/s	13 3	- -	ASTM D 445
- Dropping point	°C	187	min. 165	ASTM D 566
- Worked penetrability After 60 strokes After 100 000 strokes	1/10 mm	280 295	260 to 310 260 to 375	ASTM D 217 FTM-S-791-313
- Oil separation, 30 h at 100°C	%w	2.0	max. 5.0	ASTM D 6184
- Evaporation loss, 22 h at 100°C	%w	0.7	max. 2.0	ASTM D 2595
- Copper corrosion, 24 h at 100°C	-	1b	max. 1b	ASTM D 4048
- Load carrying capacity (LWI)	daN	64	min. 50	ASTM D 2596
- Torque at -73°C (starting / 1h)	Nm	0.5 / 0.04	max 1.00 / max 0.10	ASTM D 1478
- Oxidation stability at 100°C, after 100h / 500h	kPa	17 / 63	max. 70 / max 105	ASTM D 942
- Molybdenum disulphide content	%w	5.0	4.5 to 5.5	FTM-S-791-3720
- Water washout at 38°C	%w	2.3	max 20	ASTM D 1264

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.

