



AIRCRAFT SYNTHETIC GREASE WITH SOLID LUBRICANT

NATO CODE G-353 – DCSEA 353/A (ex-AIR 4217) – MIL-G-21164 D

AIRBUS CML 03HEB1 – ATR CML 04-002

DESCRIPTION

Nyco Grease GN 164 MS is a soft NLGI 2 grease, based on synthetic hydrocarbons and thickened with a lithium complex soap. It is fortified with anti-corrosion, antioxidant and anti-wear additives. It also contains 5% of molybdenum disulphide as solid lubricant.

Nyco Grease GN 164 MS can be used from -73°C to +135°C



MAIN APPLICATIONS

- Airframe multipurpose grease (actuators, doors, flaps, slaps, landing gear, THS, ...)
- Shock-loading bearings & rollers
- Parts in sliding motion

Characteristic	Unit	Typical Result	MIL-G-21164 D Limit	Test method
- Appearance	-	conform	Homogeneous, black colour	visual
- Viscosity of Base Oil At 40°C At 100°C	mm ² /s	16.4 3.8	- -	ASTM D 445
- Dropping point	°C	260	min. 165	ASTM D 566
- Worked penetrability After 60 strokes After 100 000 strokes	1/10 mm	295 320	260 to 310 260 to 375	ASTM D 217 FTM-S-791-313
- Oil separation, 30 h at 100°C	%w	3.4	max. 5.0	ASTM D 6184
- Evaporation loss, 22 h at 100°C	%w	0.3	max. 2.0	ASTM D 2595
- Copper corrosion, 24 h at 100°C	-	1b	max. 1b	ASTM D 4048
- Load carrying capacity (LWI)	daN	75	min. 50	ASTM D 2596
- Torque at -73°C (starting / 1h)	Nm	0.3 / 0.06	max 1.00 / max 0.10	ASTM D 1478
- Oxidation stability at 100°C, after 100h / 500h	kPa	15 / 20	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 40°C	%w	0.6	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.



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