



GENERAL PURPOSE AIRCRAFT SYNTHETIC GREASE

**SAE AMS 3052 – AIRBUS AIMS 09-06-002 – BOEING BMS 3-33
NATO CODE G-354 - MIL-PRF-23827 C Type I**

**AIRBUS CML 03GBC1, 03HBC1, 03HBD9 & 03GBD1 (on-going)
ATR CML 04-004A & 04-024**

DESCRIPTION

Nyco Grease GN 148 is a NLGI 2 Grade grease, based on a blend of synthetic diester oils and synthetic hydrocarbon basestock and thickened with a complex lithium soap.

Nyco Grease GN 148 exhibits outstanding anti-rust properties, even in the presence of salty water, and a very high lubrication capability under extreme loads.

Nyco Grease GN 148 can be used from -73 to +121°C in mechanisms with very small angular motion up to very high speed bearings and mechanisms.



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MAIN APPLICATIONS

- Multipurpose grease (doors, slat & flaps, landing gear, THS,..) for civil and military aircrafts and helicopters
- Can replace greases of previous generations meeting the requirements of MIL-PRF-23827 Type I and II, Nato code G-382, AIMS-09-06-001, MIL-G-25537, among others.

CHARACTERISTIC	UNIT	TYPICAL RESULT	SAE-AMS-3052 LIMIT	TEST METHOD
- Appearance	-	conform	homogeneous blue to green grease	visual
- Dropping point	°C	230	min 200	ISO 2176
- Worked penetration 60 strokes 100 000 strokes with 10% water	1/10mm	290 310	265 to 315 report	ISO 2137
- Oil separation after 30h at 100°C	%w	3	max 6.0	ASTM D 6184
- Evaporation loss after 500h at 121°C	%w	9	max 10.0	ASTM D 972
- Copper corrosion after 24h at 100°C	-	1a	max 1b	ASTM D 4048
- Oxidation stability, after 100h / 500h	kPa	10 / 55	max 50 / max 105	ASTM D 942
- EMCOR corrosion test (3% NaCl)	-	pass	0/0	ASTM D 6138
- Water washout at 79°C	%w	2	max 10	ASTM D 1264
- Load carrying capacity, Load Wear Index	daN	65	min 60	ASTM D 2596
- Torque at -73°C (starting / 1h) Without water With 10% water	Nm	0.7 / 0.07 0.9 / 0.1	max 0.75 / 1.00 max 1.00 / 0.20	ASTM D 1478
- Bearing performance at 121°C	h	pass	min 1000	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.



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