

AEROSHELL GREASE 16

AeroShell Grease 16 is an advanced multi-purpose grease for aircraft, composed of a synthetic and mineral oil thickened with Microgel®. AeroShell Grease 16 has excellent load carrying ability and water resistance. It is inhibited against corrosion and heavily fortified against oxidation.

The useful operating temperature range is -54°C to +204°C.

APPLICATIONS

AeroShell Grease 16 is suitable for the lubrication of anti-friction bearings operating under load at high speeds and high or low temperature conditions within the range -54°C to +204°C. AeroShell Grease 16 is recommended for Boeing Aircraft where Boeing has approved the grease under their BMS 3-24A specification. AeroShell Grease 16 has excellent load carrying ability and is particularly suitable for applications where both thrust load and high temperatures are encountered. As a result of its good retention and water resistant properties AeroShell Grease 16 is suitable as a wheel bearing grease for aircraft with very high landing speeds.

AeroShell Grease 16 contains a synthetic oil and should not be used in contact with incompatible seal materials. Refer to the General Notes at the front of this section.

SPECIFICATIONS

U.S.	Meets MIL-G-25760A (Obsolete)
British	Meets DTD.5579 (Obsolete)
French	Equivalent AIR 4207/A
Russian	Analogue to ST (NK-50)
NATO Code	G-361
Joint Service Designation	XG-292 (Obsolete)
Boeing	Approved BMS 3-24A

PROPERTIES	MIL-G-25760A	TYPICAL
Oil type	–	Polyester synthetic plus Mineral
Thickener type	–	Microgel
Base oil viscosity @ 40°C	–	26.2
@ 100°C	–	5.2
Useful operating temperature range	–	-54 to +204
Drop point	260 min	260+
Worked penetration @ 25°C	260 to 320	308
Unworked penetration @ 25°C	–	290
Bomb oxidation pressure drop @ 100 hrs	5 max	Less than 5
@ 500 hrs	–	10
Oil separation @ 177°C in 30 hrs	5.0 max	4.3 (3.5 @ 100 °C)
Water resistance test loss @ 37.8°C	50 max	1.8
Evaporation loss in 22 hrs @ 177°C	7.0 max	3.8
Anti-friction bearing performance @ 177°C	400 min	400+
Copper corrosion 24 hr @ 100°C	Must pass	Passes
Bearing protection 2 days @ 52°C	Must pass	Passes
Colour	–	Light Brown