AEROSHELL GREASE 5

AeroShell Grease 5 is a high temperature grease composed of a mineral oil thickened with Microgel®, possessing good load-carrying ability. It is inhibited against oxidation and corrosion and has excellent resistance to water. The useful operating temperature range is –23°C to +177°C.

APPLICATIONS

AeroShell Grease 5 is particularly effective for use as a wheel bearing grease, especially when landing speeds are high, and is suitable for the lubrication of aircraft and engine accessories operating at high speeds and at relatively high temperatures, e.g. magnetos, generators and starters. For the lubrication of rolling bearings which are required to start at temperatures as low as –23°C an adequate period should be allowed for the grease to channel.

SPECIFICATIONS

U.S.	Meets MIL-G-3545C (Obsolete)
British	Meets DTD.878A (Obsolete)
French	Equivalent DCSEA 359/A
Russian	–
NATO Code	G-359 (Obsolete)
Joint Service Designation	XG-277 (Obsolete)

PROPERTIES	**MIL-G-3545C**	**TYPICAL**
Oil type	–	Mineral
Thickener type	–	Microgel
Base oil viscosity mm²/s @ 40°C @ 100°C	 – –	 500 to 525 32
Useful operating temperature range °C	–	–23 to +177

PROPERTIES	**MIL-G-3545C**	**TYPICAL**
Drop point °C	177 min	260+
Worked penetration @ 25°C	250 to 300	284
Unworked penetration @ 25°C	–	281
Bomb oxidation pressure drop @ 99°C 100 hrs lb/in² 500 hrs lb/in²	 10 max 25 max	 6 15
Oil separation @ 100°C, in 30 hrs % m	5 max	0.5
Water resistance test loss @ 41°C % m	20 max	0.5
Evaporation loss in 22 hrs @ 149°C % m	–	1.0
Mean Hertz Load kg	–	37
Copper corrosion 24 hrs @ 100°C	Must pass	Passes
Bearing protection 2 days @ 51°C	Must pass	Passes
Anti-friction bearing performance @ 149°C hrs	–	600+
Colour	–	Amber