

## AEROSHELL GREASE 15

AeroShell Grease 15 is an extreme temperature range grease, composed of silicone oil with an organic thickener. AeroShell Grease 15 is inhibited against corrosion and oxidation, and possesses excellent high temperature and mechanical stability properties and low evaporation rate. It is water resistant.

The useful temperature range is  $-73^{\circ}\text{C}$  to  $+232^{\circ}\text{C}$ .

AeroShell Grease 15 has a tendency to bleed and should be stirred before use.

AeroShell Grease 15 has replaced AeroShell Grease 15A.

### APPLICATIONS

AeroShell Grease 15 is a special grease suitable for use in lightly loaded ball and roller bearings through a temperature range of  $-73^{\circ}\text{C}$  to  $+232^{\circ}\text{C}$ . AeroShell Grease 15 is recommended for continuous high temperature service, e.g. for turbine engine control bearings, or where low torque properties are required at temperatures down to  $-73^{\circ}\text{C}$ .

### SPECIFICATIONS

<b>U.S.</b>	Approved MIL-G-25013E
<b>British</b>	Approved DEF STAN 91-55 (Obsolete)
<b>French</b>	–
<b>Russian</b>	Analogue of VNII NP 235
<b>NATO Code</b>	G-372
<b>Joint Service Designation</b>	XG-300

PROPERTIES	MIL-G-25013E	TYPICAL
Oil type	–	Silicone
Thickener type	–	Teflon
Base oil viscosity @ $40^{\circ}\text{C}$ @ $100^{\circ}\text{C}$ $\text{mm}^2/\text{s}$	– –	55 14.0
Useful operating temperature range $^{\circ}\text{C}$	–	$-73$ to $+232$
Drop point $^{\circ}\text{C}$	230 min	260+
Worked penetration @ $25^{\circ}\text{C}$	260 to 320	280
Bomb oxidation pressure drop @ 100 hrs $\text{kPa}$	35.0	2
Low temperature torque @ $-73^{\circ}\text{C}$ Starting - Nm Running - Nm	0.35 max 0.05 max	0.32 0.035
Oil separation @ $232^{\circ}\text{C}$ , 30 hrs      % m	7.5 max	3.0
Water resistance test loss @ $40^{\circ}\text{C}$ % m	20 max	3.1
Evaporation loss 22 hrs @ $205^{\circ}\text{C}$ % m	4.0 max	2.7
High temperature bearing performance @ $232^{\circ}\text{C}$ hrs	500 min	518+
Colour	–	Off white