

ANDEROL PRODUCT DATA SHEET

ROYCO® 13CF

AIRCRAFT BALL AND ROLLER BEARING GREASE

GENERAL INFORMATION

ROYCO 13CF is an off-white colored, Teflon thickened silicone oil based grease for use in aircraft ball and roller bearings. Additives are utilized for oxidation and corrosion resistance and to provide excellent low and high temperature properties. ROYCO 13CF exhibits superior resistance to "water wash-out," low volatility, and mechanical stability.

TYPICAL PROPERTIES:

PROPERTIES	Product Name
1) Penetration, mm	
Unworked	280
Stability, 100,000 strokes	295
2) Evaporation, 205oC/22 hrs, %	2.5
3) Oxidation Stability 100 hrs, 210oF, psi	1.5
4) Dropping Point, oF	575
5) Oil Separation 232°C, 30 hrs, % wt	4.0
6) Low Temp Torque, N-m, -73oC.	
Starting	0.20
Running	0.03
7) Water Resistance, % loss, 38°C	3.1
8) Base Oil Viscosity, cSt	
@ 100oC	20.0
@ 40oC	55.0
9) Copper Corrosion, ASTM D4048	1B
10) Rust Protection, ASTM D-1743	PASS
11) Dirt Count, 25-74 mu, FTM 313	0
12) Dirt Count, 75+mu, FTM 313	0

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For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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APPLICATIONS

ROYCO 13CF is intended for use in lightly loaded anti-friction bearings operating over the temperature range of -100oF to 450oF. ROYCO 13CF exhibits extremely good low temperature torque properties as well as high temperature performance capabilities that allow operation for extended periods at temperatures up to 450oF. Typical uses include actuators, gearboxes, controls, engine accessories, and applications requiring performance in extremes of temperature and/or resistance to water, oil, or aircraft cleaning compounds.

ADVANTAGES

- Excellent low temperature properties
- Excellent oxidation and corrosion resistance
- Improved water resistance
- Low volatility

APPROVALS

ROYCO 13CF meets all requirements and is qualified against MILSPEC: MIL-G-25013E.

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