

ROYCO[®] 22CF

GENERAL PURPOSE WIDE TEMPERATURE RANGE
SYNTHETIC BASED GREASE

Description

ROYCO 22CF is a smooth, brown colored synthetic oil based grease which utilizes an inorganic gel thickener for wide temperature operation. Additives for oxidation and corrosion stability as well as load carrying and rust protection are provided to improve severe duty performance over extreme temperature ranges.

Applications

ROYCO 22CF is formulated to withstand operations at high speeds and a wide temperature range of -54 to 177° C (-65 to 350°F). ROYCO 22CF has superior water resistance and load carrying properties which make it an excellent choice for use in aircraft wheel bearings, instruments, gear boxes, anti-friction bearings, rotor bearings, actuators and general airframe applications. ROYCO 22CF is useful in many industrial applications which require a general-purpose grease.

Features and Benefits

Features	Benefits
High viscosity index synthetic hydrocarbon (PAO) base stock	Very wide operating temperature range - outstanding high and low temperature performance Excellent film protection at high temperatures Minimum resistance to start-up at extremely low temperatures
Extreme-pressure additives	Avoids excessive wear, even under shock load
High thermal/oxidative stability	Extended intervals between re-lubrication
High resistance to water washout	Maintains excellent grease performance in adverse weather or other water-exposure related conditions

Specifications

ROYCO 22CF meets all requirements and is qualified to **MIL-PRF-81322G**, NATO Code G-395, U.S. Military Symbol WTR, UK Joint Service Designation XG-293. May be used in place of superseded or cancelled specifications MIL-G-16908, MIL-G-3545 and MIL-G-25760.

PROPERTY	METHOD	TYPICAL
Penetration, 25°C, 0.1 mm		
Worked	ASTM D217	283
Worked Stability	FTM 313	315
Dropping Point, °C	ASTM D2265	292
4-Ball Wear, 75°C, 40 kg, 1200 rpm, 1 hr, mm	ASTM D2266	0.5
Oil Separation, 177°C (350°F), 30 hrs, %	FTM 321	7.7
Rust Protection, 125°F, 48 hours	ASTM D1743	Pass
Evaporation, 177°C, 22 hrs, Al Block, wt% loss	ASTM D2595	4.7
Load Carrying Capacity, kgf	ASTM D2596	35
Copper Corrosion at 100°C, 24 hrs, ASTM	ASTM D4048	1B
Water Resistance, 41°C, %		11.0
Low Temperature Torque, -54°C, Nm		
Starting Torque	ASTM D1478	0.37
Running Torque, 60 minutes		0.05
Odor		pass

Packaging

Available in 400 pound drums, 35 pound pails, and 6.5 pound cans. Other package sizes may be available on special request.

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Anderol Specialty Lubricants
a division of Chemtura Corporation
215 Merry Lane
East Hanover, New Jersey 07936
Technical Service +1.973.887.7410
Customer Service +1.203.573.4595
Fax +1.203.573.2324
info-anderol@chemtura.com
www.anderol.com