



# TECTORIUS® TEC-FLON™ 610FG

Synthetic Fluorinated Grease

## DESCRIPTION:

Tec-Flon 610FG is a wide temperature range, synthetic, fluorinated grease. It is intended for use in systems where non-reactivity with harsh chemicals including strong acids and oxidizers, fuels, solvents, etc. is an important factor. The grease is suitable for use in applications including electrical contacts, valves, threads, screws, bearings and in systems employing elastomeric and plastic seals, gaskets and o-rings. Although Tec-Flon 610FG is very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the grease under certain extreme conditions.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUE
Temperature Range	—	—	-34°C to 232°C
NLGI No.	—	—	2
Unworked Penetration	ASTM D-1403	25°C	265-295
Worked Penetration	ASTM D-1403	60 strokes	265-295
Evaporation	ASTM D-2595	22 hrs, 204°C, max	0.5%
Oil Separation	FED-STD-791, Method 321	30 hrs, 204°C, max	10.0% max
Water Washout	ASTM D-1264	1 hr @ 38°C	0.50%
Oxidation Stability	ASTM D-492	121°C, 100 hrs	-1 psi
LOX Impact Sensitivity	ASTM D-2512	20 Impacts from 1100 mm	No Reaction
Resistance to Aqueous Solution	FED-STD-791, Method 5415	168 hrs @ 25°C	Pass
Solubility in Fuel	FED-STD-791, Method 5415	25°C	0.5%
Resistance to Fuel	FED-STD-791, Method 5414	8 hrs @ 25°C	Pass
Four-Ball Wear Test	ASTM D-2266	1200 rpm, 40 kg, 75°C, 52100 steel, 1 hour	1.00 mm
		2 hours	1.5 mm
Copper Corrosion	ASTM D-130	24 hrs, 100°C	1a

Free of ozone depletion compounds (ODC).

\*The information provided is based on technical data that Tectorius believes to be reliable. Since we cannot anticipate or control the various conditions under which this information and our product may be used, we cannot guarantee the applicability of this information or the suitability of our product in any individual situation. Therefore, the product is sold without warranty expressed or implied.

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