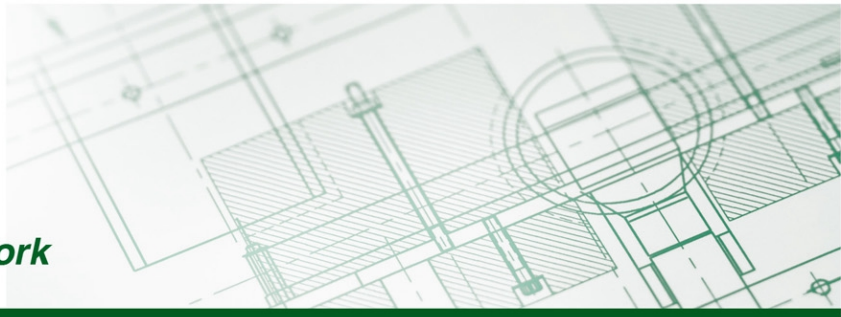




## TriboGel 684

TriboGel 684 is synthetic grease fortified with polytetrafluoroethylene and other additives to improve oxidation stability, extreme pressure, anti-wear, and dampening. This grease provides the lubrication of higher viscosity base oil with the low temperature performance of a lower viscosity base oil.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *
Type		Synthetic Hydrocarbon
Temperature Service Range (°C)		-40 to 125
GREASE CHARACTERISTICS		TYPICAL VALUE *
Thickener		Lithium
Color		Yellow
Appearance		Smooth
NLGI Grade		2
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	265-295
	Worked	60X 100,000X
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		200 min.
Oil Separation (ASTM D6184)	24h at 100°C	3% max.
Evaporation (CTM-1)	24h at 100°C	1% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C	9.5%
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1a
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	13,400,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>f</sub>	0.42mm
Coefficient of Friction (ASTM D2266)	Dynamic, steel on steel	0.056
Specific Gravity (CTM-2)	25°C	0.875a
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C	14 kPa
	168h at 100°C	17 kPa



**Innovation and Experience at Work**

<b>Low Temperature Torque</b> (ASTM D1478)	-30°C	Start	442 g·cm
		Run 10 min	325 g·cm
		Run 60 min	273 g·cm
<b>Low Temperature Torque</b> (ASTM D1478)	-40°C	Start	1,066 g·cm
		Run 10 min	631 g·cm
		Run 60 min	481 g·cm
<b>Four Ball Extreme Pressure</b> (ASTM D2596 / DIN 51350-T4)	Load Wear Index		56.81
	Last Non-Seizure Load (scar)		126 kg <sub>f</sub> (0.42 mm)
	Last Seizure Load (scar)		250 kg <sub>f</sub> (3.01 mm)
	Weld Load		315 kg <sub>f</sub>

**Engineered Custom Lubricants**

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