

## TriboGel 2012

TriboGel 2012 is a fully synthetic polyurea grease with PTFE and polymer additives. This grease provides moderate dampening, good EP/anti-wear capability, and excellent water resistance. Applications include small gears and automotive recliners. This grease is also very resistant to degradation from high temperature welding and washout during autophoretic coating processes.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			-40 to 125
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Polyurea
Color			Off-White
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217 / DIN 51804-T1)	Worked	60X	265-295
Dropping Point (°C) (ASTM D2265)			260 min.
Oil Separation (ASTM D6184)	24h at 100°C		0
Evaporation (CTM-1)	24h at 100°C		0.09
Water Washout (ASTM D1264)	60 min at 79°C		2.2%
Copper Corrosion (ASTM D4048)	24h at 100°C		1b
Rust Test (ASTM D1743)	48h at 52°C		Pass
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-20°C		11,280,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>f</sub>		0.53mm
	Dynamic Coefficient of Friction (steel on steel)		0.082
Specific Gravity (CTM-2)	25°C		1.19
Oxidation Stability (ASTM D942)	100h at 100°C		0

\*The values stated in this Product Data Sheet are Typical Values and **must not** be used as QC Specifications for this product. Please contact the Global Technical Services department for QC specifications for this product.