

## RheoGel TEK700

RheoGel TEK700 is an automotive and industrial grease intended for wide temperature and demanding applications. This grease has excellent shear stability, load carrying capacity, and ferrous corrosion protection.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Synthetic Hydrocarbon	
Temperature Service Range (°C)		-30 to 150	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Calcium Sulfonate Complex	
Color		Yellow	
Appearance		Smooth	
NLGI Grade		1.5	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	301	
	Worked	60X	315
		100,000X	330
	Unworked, -40°C	84	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		260 min.	
Oil Separation (ASTM D6184)	24h at 100°C	1.5%	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	0.1%	
Evaporation (CTM-1)	24h at 100°C	0.3%	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C	3.5%	
Water Spray Off (ASTM D4049)		42.36%	
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1b	
Salt Spray Corrosion (ASTM B117)	300h	No Corrosion	
Bearing Corrosion (ASTM D1743)	48h at 52°C	No Corrosion	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>r</sub>	0.37mm	
Oxidation Stability (ASTM D942 / DIN 51808)	1,000h at 100°C	63 kPa	
Four Ball Extreme Pressure (ASTM D2596 / DIN 51350-T4)	Load Wear Index	54.9	
	Last Non-Seizure Load (scar)	80 kg (0.38mm)	
	Last Seizure Load (scar)	315 kg (3.16mm)	
	Weld Load	400 kg	

\*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.