



RheoGel B6005

RheoGel B6005 is 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)		-40 to 125	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Calcium Complex	
Color		Tan	
Appearance		Smooth	
NLGI Grade		2	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	250 min.	
	Worked	60X	265-295
		10,000X	310
Unworked, -40°C		154	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		260 min.	
Evaporation (CTM-1)		24h at 100°C	0.04%
Bearing Corrosion (ASTM D1742)		48h at 52°C	No Corrosion
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)		-40°C	7,700,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _f		0.44mm
	Dynamic Coefficient of Friction (steel on steel)		0.088
Specific Gravity (CTM-2)		25°C	0.97
Oxidation Stability (ASTM D942 / DIN 51808)		1000h at 100°C	41 kPa
Low Temperature Torque (ASTM D1478)	-40°C	Start	2,776 g·cm
		Run 10 min	715 g·cm
		Run 60 min	377 g·cm
Four Ball Extreme Pressure (ASTM D2596 / DIN 51350-T4)	Load Wear Index		57.95
	Last Non-Seizure Load (scar)		100 kg (0.43mm)
	Last Seizure Load (scar)		315 kg (2.40mm)
	Weld Load		400 kg
Low Temperature Apparent Viscosity (ASTM D1092)	-40°C	20 sec ⁻¹	12,599 Poise
		100 sec ⁻¹	7,863 Poise