



Innovation and Experience at Work

RheoGel B6005F

RheoGel B6005F is a filtered automotive and industrial grease intended for wide temperature and demanding applications. This grease has excellent shear stability, load carrying capacity, and ferrous corrosion protection.

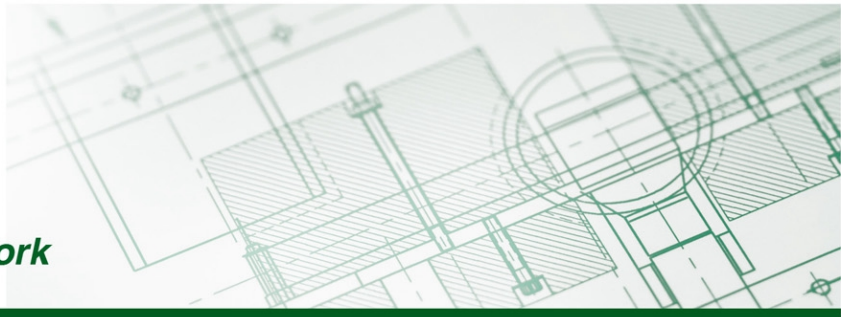
BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			-40 to 125
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Calcium Complex
Color			Tan
Appearance			Smooth
NLGI Grade			2
Viscosity (ASTM D445 / DIN 51562-1)	Unworked		250 min.
	Worked	60X	265-295
		10,000X	310
	Unworked, -40°C		154
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			260 min.
Evaporation (CTM-1)			24h at 100°C
Oil Separation (ASTM D6184)			24h at 100°C
Oil Separation (ASTM D1742)			24h at 25°C and 1.72 kPa
Bearing Corrosion (ASTM D1742)			48h at 52°C
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)			-40°C
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _r		0.44mm
	Dynamic Coefficient of Friction (steel on steel)		0.088
Specific Gravity (CTM-2)			25°C
Oxidation Stability (ASTM D942 / DIN 51808)			1000h at 100°C
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

Engineered Custom Lubricants

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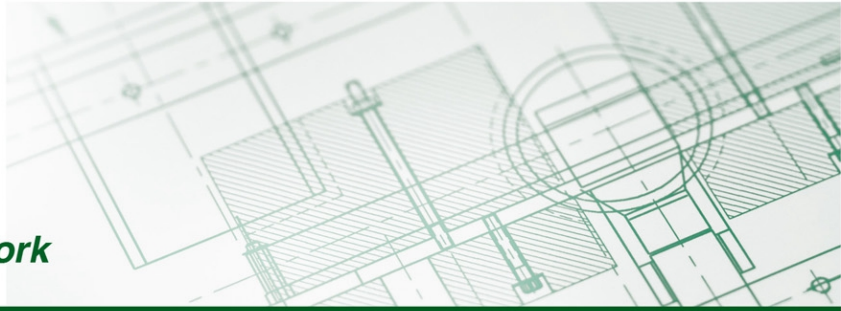
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Kesternich Flow Pressure (DIN 51808)	20°C	1.30 psi 2.65 inches Hg 35.98 inches H2O 8.96 kPa 89.64 mbar
	-35°C	4.85 psi 9.87 inches Hg 134.3 inches H2O 33.44 kPa 334.4 mbar



A QUAKER CHEMICAL COMPANY

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