A QUAKER HOUGHTON COMPANY

Innovation and Experience at Work

Product Data Sheet

RheoGel 2105P

RheoGel 2105P is a carefully balanced low noise grease to provide friction reduction, wear prevention, extreme pressure performance, low temperature performance, and ferrous corrosion protection. This grease has been designed for wide temperature automotive and industrial and applications.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			-50 to 150
GREASE CHARACTERISTICS			**TYPICAL VALUE ***
Thickener			Lithium
Color			Off-white
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		265-295
	Worked	60X	265-295
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			200 min.
Oil Separation (ASTM D6184)	24h at 100°C		5% max.
Evaporation (CTM-1)	24 at 100°C		1% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C		4.80%
Bearing Corrosion (ASTM D1743)	48h at 52°C, 5% NaCl solution		Pass
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C		1a
Corrosion Protection (EMCOR) SKF EMCOR method ISO 11007 DIN 51 802 IP 220	168h w/alternating running & stop periods 80 rpm; 5% NaCl solution; 11 cm3 per bearing		#2
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg_f		0.40mm
	Dynamic Coefficient of Friction (steel on steel)		0.070
Four Ball EP (ASTM D2596)	LNSL		63 kg
	LSL		160 kg
	WP		200 kg
	LWI		29.05

*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.

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Fretting Wear (ASTM D4170)	Axial load: 8000N (Hertzian pressure 2100 N/mm2) Duration of test: 5 or 50 h Frequency: 24 Hz Oscillation angle: ±3° Temperature of lower bearing ring: -20°C or +25°C		3.6 mg
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C		2 psi
Low Temperature Torque (ASTM D1478)	-40°C	Start	754 g·cm
		Run 60 min	338 g·cm
Low Apparent Viscosity (ASTM D2196) orCTM-3 (Brookfield)	-40°C, T-C Spindle		3,700,000 cP
Flow Pressure of Lubricating Grease **(DIN 51 805)**	-40°C		4.00 psi 8.14 inches Hg 110.7 inches H2O 27.58 kPa 275.8 mbar

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