

RheoGel 2105

RheoGel 2105 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 applications.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *
Type		Synthetic Hydrocarbon
Temperature Service Range (°C)		-50 to 150
GREASE CHARACTERISTICS		TYPICAL VALUE *
Thickener		Lithium
Color		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 41°C	0.80%
	60 min at 79°C	4.00%
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 #0
Four Ball Wear (ASTM D2266 / DIN 51350-T5)		60 min 1200 RPM 75°C 40kg _r 0.45mm
Four Ball EP (ASTM D2596)	LNSL	63 kg
	LSL	126 kg
	WP	160 kg
	LWI	27.77
Fretting Wear (ASTM D4170)		Axial load: 8000N (Hertzian pressure 2100 N/mm ²) Duration of test: 5 or 50 h Frequency: 24 Hz Oscillation angle: ±3° Temperature of lower bearing ring: -20°C or +25°C 3.2 mg
Oxidation Stability (ASTM D942 / DIN 51808)		100h at 100°C 3 psi

*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.

Engineered Custom Lubricants

IATF 16949 • Registered QMS

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Low Temperature Torque (ASTM D1478)	-40°C	Start	858 g-cm
		Run 60 min	208 g-cm
Low Temperature Apparent Viscosity (ASTM D2196 or CTM-3 (Brookfield))	-40°C, T-C spindle, 1rpm (7,000,000 max)		2,410,000 cP
Flow Pressure of Lubricating Grease (DIN 51 805)	-40°C		5.01 psi 10.38 inches Hg 141.2 inches H ₂ O 35.16 kPa 351.6 mbar
FE 8 Rolling Bearing Fatigue Test (DIN 51 819)	Test bearing: two Angular Contact Ball Bearings size 7206 (FE9 bearing) • Load: 30 kN • Speed: 750 rpm • Temperature: 80°C • Capacity of grease: 6 ml each bearings		517 Hours
SKF Be Quiet Grease Noise Test, (µm/s)	Duration of test: approx. 40 min, standard test Pickup: speed sensor Speed: 1800rpm Axial load: 30N (pneumatic) Test with: 1 bearing (standard) Grease quantity: automatic time-related metering, approx. 150 mg L: 50-300 Hz M: 300-1800 Hz H: 1800-10000 Hz Peak filter: pre 300 to 10000 Hz Post 25 to 400 Hz Display: µm/s: peak Acoustic monitoring via loudspeaker		GN1

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