A QUAKER HOUGHTON COMPANY

Innovation and Experience at Work

Product Data Sheet

RheoGel 429

RheoGel 429 is widely accepted synthetic hydrocarbon grease. This is fortified with an effective extreme pressure agent for heavily loaded metal-on-metal applications. RheoGel 429 is recommended for slides, tracks, shafts, gearboxes, and numerous other lube-for-life automotive body hardware applications.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			-40 to 150
GREASE CHARACTERISTICS			**TYPICAL VALUE ***
Thickener			Lithium
Color			Green
Appearance			Smooth
NLGI Grade			1.5
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		260 min.
	Worked	60X	285-315
		10,000X	287
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			200 min.
Oil Separation (ASTM D6184)	24h at 100°C		6% max.
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa		5% max.
Evaporation (CTM-1)	24h at 100°C		1% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 41°C		1.61%
	60 min at 79°C		3.91%
Bearing Corrosion (ASTM D1743)	48h at 52°C		No Corrosion
Kesternich Flow Pressure (DIN 51808)	20°C		1.25 psi 2.55 inches Hg 34.60 inches H2O 8.62 kPa 86.19 mbar
	-35°C		3.60 psi 7.33 inches Hg 99.65 inches H2O 24.82 kPa 248.2 mbar

*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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Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		2,100,000 cP
	-60°C		8,300,000 cP
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C		1b max.
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg$_f$		0.46mm max.
Oxidation Stability (ASTM D942 / DIN 51808)	168h at 100°C		3.0 psi
Coefficient of Friction	Dynamic, steel on steel		0.047
Specific Gravity (CTM-2)	25°C		0.84
Low Temperature Torque (ASTM D1478)	-40°C	Start	736 g·cm
		Run 10 min	325 g·cm
		Run 60 min	250 g·cm
	-60°C	Start	3,023 g·cm
		Run 10 min	1,261 g·cm
		Run 60 min	527 g·cm

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