



Innovation and Experience at Work

EvoLube APF2

EvoLube APF2 is synthetic hydrocarbon grease thickened with polyurea. It has been formulated as industrial and automotive multi-purpose lubricant. It is specifically recommended for high speed rolling element bearing applications. EvoLube APF2 has excellent tribochemistry under sub-elasthydrodynamic conditions, excellent resistance to thermo-oxidation, and superior oil separation characteristics.

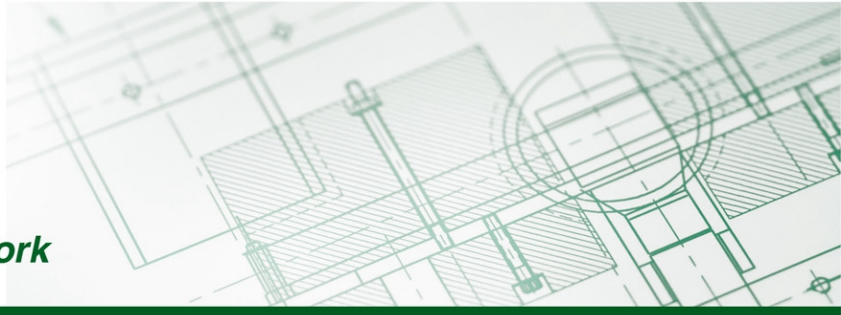
BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			-40 to 150
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Polyurea
Color			Off White
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		265-295
	Worked	60X	265-295
		10,000X	310
		100,000X	318
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			260 min.
Oil Separation (ASTM D6184)	24h at 100°C		1% max.
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa		2% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C		0.77%
Bearing Corrosion (ASTM D1743)	48h at 52°C		No Corrosion
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		5,400,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _f		0.47mm
	Dynamic Coefficient of Friction (steel on steel)		0.083
Specific Gravity (CTM-2)	25°C		0.89
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C		2 kPa
	168h at 100°C		2 kPa
Low Temperature Torque (ASTM D1478)	-40°C	Start	897 g·cm
		Run 10 min	286 g·cm
		Run 60 min	195 g·cm

Engineered Custom Lubricants

ISO/TS16949:2009 • Registered QMS

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EvoLube TEK615N

Kesternich Flow Pressure (DIN 51808)	20°C	1.45 psi 2.95 inches Hg 40.14 inches H2O 10.00 kPa 99.98 mbar
	-35°C	10.90 psi 22.19 inches Hg 301.7 inches H2O 75.16 kPa 751.6 mbar

Four Ball Extreme Pressure (ASTM D2596)	Load Wear Index	52.11
	Last Non-Seizure Load (scar)	80 kg (0.40mm)
	Last Seizure Load (scar)	315 kg (2.53mm)
	Weld Load	400 kg
Timken OK Load (ASTM D2509)		27.2 kg (1.39mm scar)

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