



Innovation and Experience at Work

ViscoTech R174B

ViscoTech R174B is lithium-based grease utilizing very light viscosity mineral oil and PTFE. Because of the outstanding aniline point of the base oil, this material offers excellent compatibility with most polymer and elastomer materials. The low temperature characteristics of the material will give superior low torque start up. It also provides oxidation resistance over a wide temperature range and is water resistant.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Mineral Oil
Temperature Service Range (°C)			-40 to 100
Aniline Point (°C) (ASTM D611)			98
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Lithium
Color			Blue
Appearance			Smooth
NLGI Grade			1
Penetration (ASTM D217 / DIN 51804-T1)	Worked	60X	325
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			190
Oil Separation (ASTM D6184)	24h at 100°C		9.3%
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa		16 %
Evaporation (CTM-1)	24 at 100°C		2.4%
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _r		0.61mm
Specific Gravity (CTM-2)	25°C		1.016
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C		14 kPa
	1000h at 100°C		21 kPa
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		2,690,000 cP
Low Temperature Torque (ASTM D1478)	-40°C	Start	1,736 g-cm
		60 min.	293 g-cm

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