



Innovation and Experience at Work

TriboGel R174S

TriboGel R174S is fully synthetic grease. It is slightly tacky, provides dampening, and has good film thickness while preserving good low temperature performance. This product is polytetrafluoroethylene fortified.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Synthetic Hydrocarbon	
Temperature Service Range (°C)		-40 to 125	
Aniline Point (°C) (ASTM D611)		119.9	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Lithium	
Color		Off White	
Appearance		Smooth	
NLGI Grade		1	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	317	
	Worked	60X 323	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		199	
Oil Separation (ASTM D6184)	24h at 100°C	4.55%	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	2.9%	
Evaporation (CTM-1)	24h at 100°C	0.15%	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _f	0.606 mm	
	Dynamic Coefficient of Friction (steel on steel)	0.071	
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	2,500,000 cP	
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C	9 kPa	
Low Temperature Torque (ASTM D1478)	-40°C	Start	676 g-cm
		Run 10 min	351 g-cm
		Run 60 min	299 g-cm

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