

TRIBOLUBE[®]-27

Special Purpose Grease

CHARACTERISTICS

Tribolube-27 is a wide temperature range, multipurpose synthetic grease.

APPLICATIONS

It is suitable for use in miniature and large size ball, roller, and plain bearings. It is especially suited for use in small diameter ball bearings required to perform at speeds in the 20,000 rpm range. In brushless motors Tribolube-27 doubled the bearing life compared to the previous lubricant. Applications include small blower motors, motor generators, servo motors, etc.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-65°F to 350°F
NLGI No.			2
Worked Penetration	ASTM D-1403	60 strokes	285
Elastomer Compatibility Percent Swell	FED-STD-791 Method 3603	"L" Stock 168 hrs @ 158°F	29.18%
		Viton A 72 hrs @ 300°F	5.27%
		Viton A 72 hrs @ 350°F	6.06%
Wheel Bearing Leakage	ASTM D-1263	660 rpm, 220°F, 6 hrs	3.67 gm
Low Temperature Torque	ASTM D-1478	@ -65°F, starting	1,528 gm-cm
		Running, 10 mins	455 gm-cm
		Running, 60 mins	228 gm-cm
Steel-on-Steel Wear	ASTM D-2266	1,200 rpm, 40 kg, 167°F 2 hrs, 52100 Steel	0.64 mm
Load Wear Index	ASTM D-2596		32.50
Last Non-seizure		Load/Wear Scar	80 kg/0.406 mm
Last seizure		Load/Wear Scar	126 kg/3.52 mm
Weld Point		Load	160 kg
High Temperature Performance	ASTM D-3336	350°F, 10,000 rpm, 70 lbs	1,019 hrs
		400°F, 10,000 rpm, 70 lbs	283 hrs

Extending Component Life with Tribolube Synthetic Lubricants[®]