

9.5 HIWIN G05 General Type Grease

- **Features**

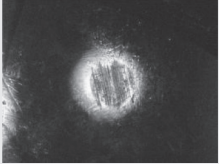
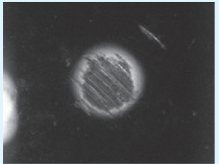
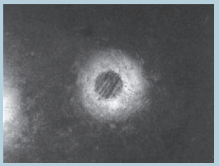
1. Wear resistant under high speed conditions
2. Low friction force under high speed conditions
3. Water resistant

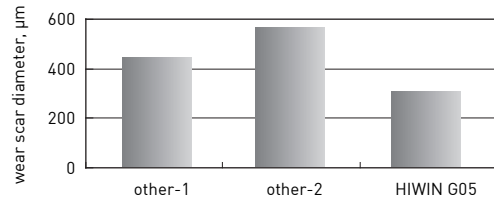
- **Basic Properties**

		HIWIN G05
Color		Brown
Base Oil		MINERAL
Consistency enhancer		LITHIUM SOAP
Service Temp. [°C]		-15~120
NLGI-grade (0.1mm)		2
Viscosity (cst)	40°C	200
Drop Point [°C]		190
4-ball test	Wear scar diameter(μm) (ASTM D-2266)	291μm
	Welding load (N) (DIN 51350-4)	2600/2800

	HIWIN G05	other	Note
Anti-wear	●	▲	4-ball test (ASTM D2266) increases 38%~49%
Low Friction	●	▲	increases 16%~19%
Service Temperature Range	●	●	

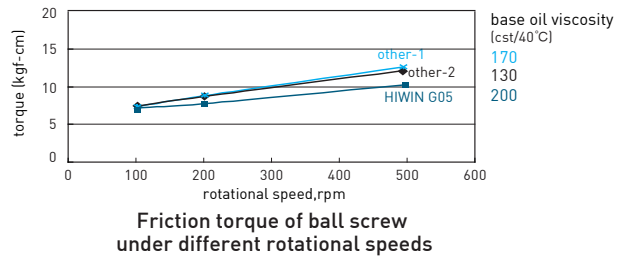
- **4-ball test (ASTM D2266)**

	Wear Scar	Diameter (μm)
other-1		468
other-2		567
HIWIN G05		291



- **Wear resistance**

Screw diameter : 40mm
Lead : 10mm



Friction torque of ball screw under different rotational speeds