

Leona™ Lubricated Grade (Leona™ 1442 / Leona™ 1542) [PA66 polymer for high lubricity and mechanical applications]

Leona™ High Lubricated Grade Features

By optimising the dispersion of lubricant in PA66, Leona™ Lubricated Grade has

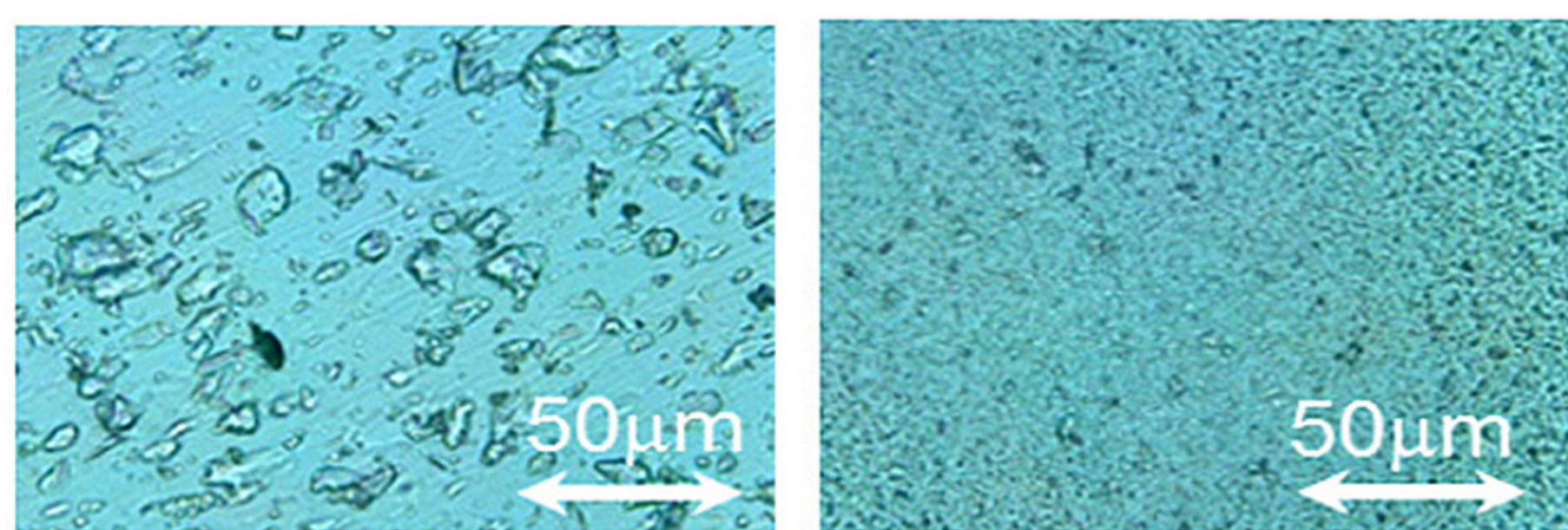
- Excellent coefficient of friction and anti-frictional properties



- Material performance: Lubricated Grade
- Proven data for better engine efficiency

- Support India Gov. Regulations:
 - CAFE, BSVI

Morphology (Dispersion of Lubricant)



Standard Sliding Grade

Leona™ Lubricated Grade

Recommended Applications

- Chain Guide for 4 wheeler and 2 wheeler
- Automotive gears
- Bush



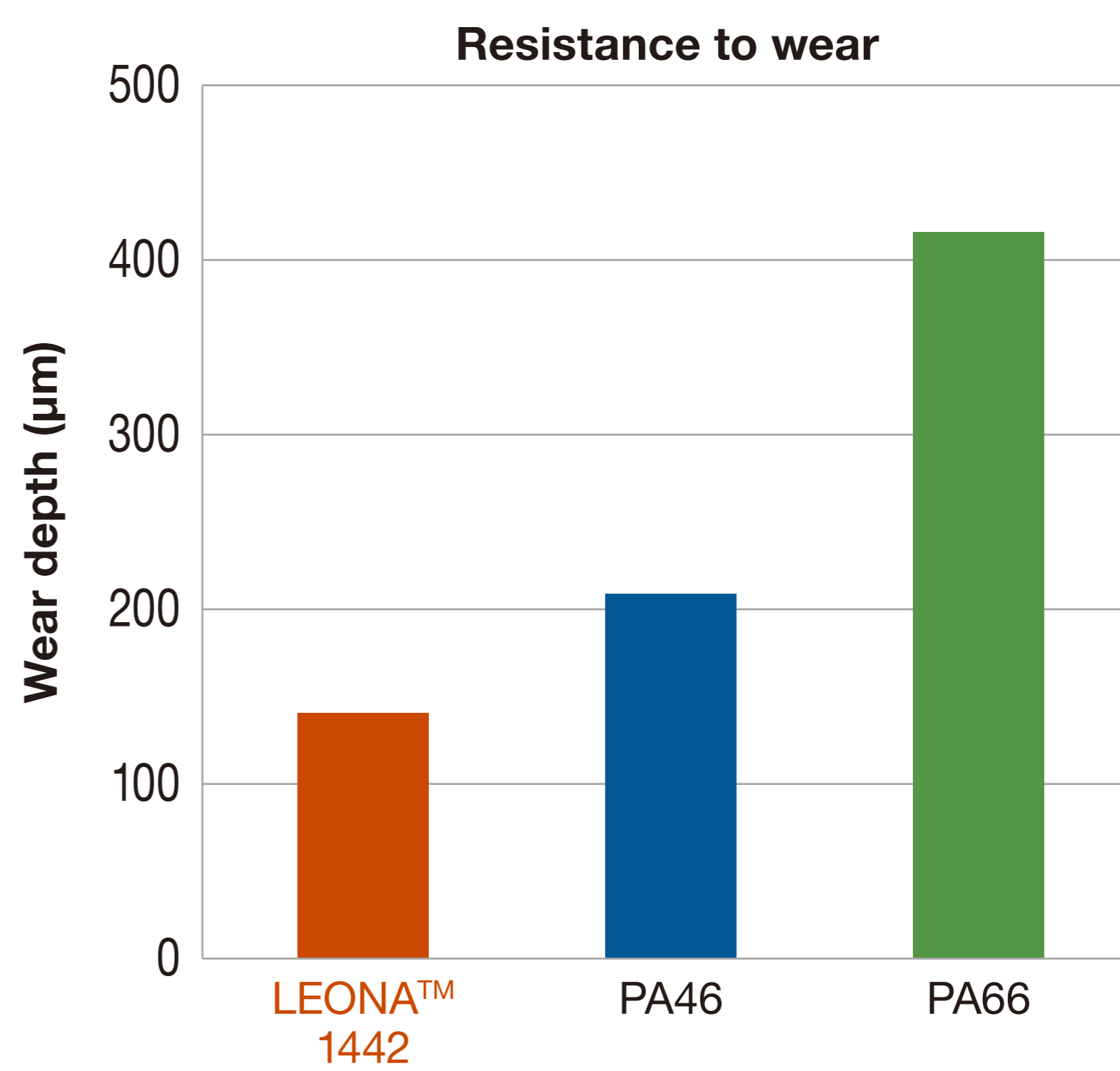
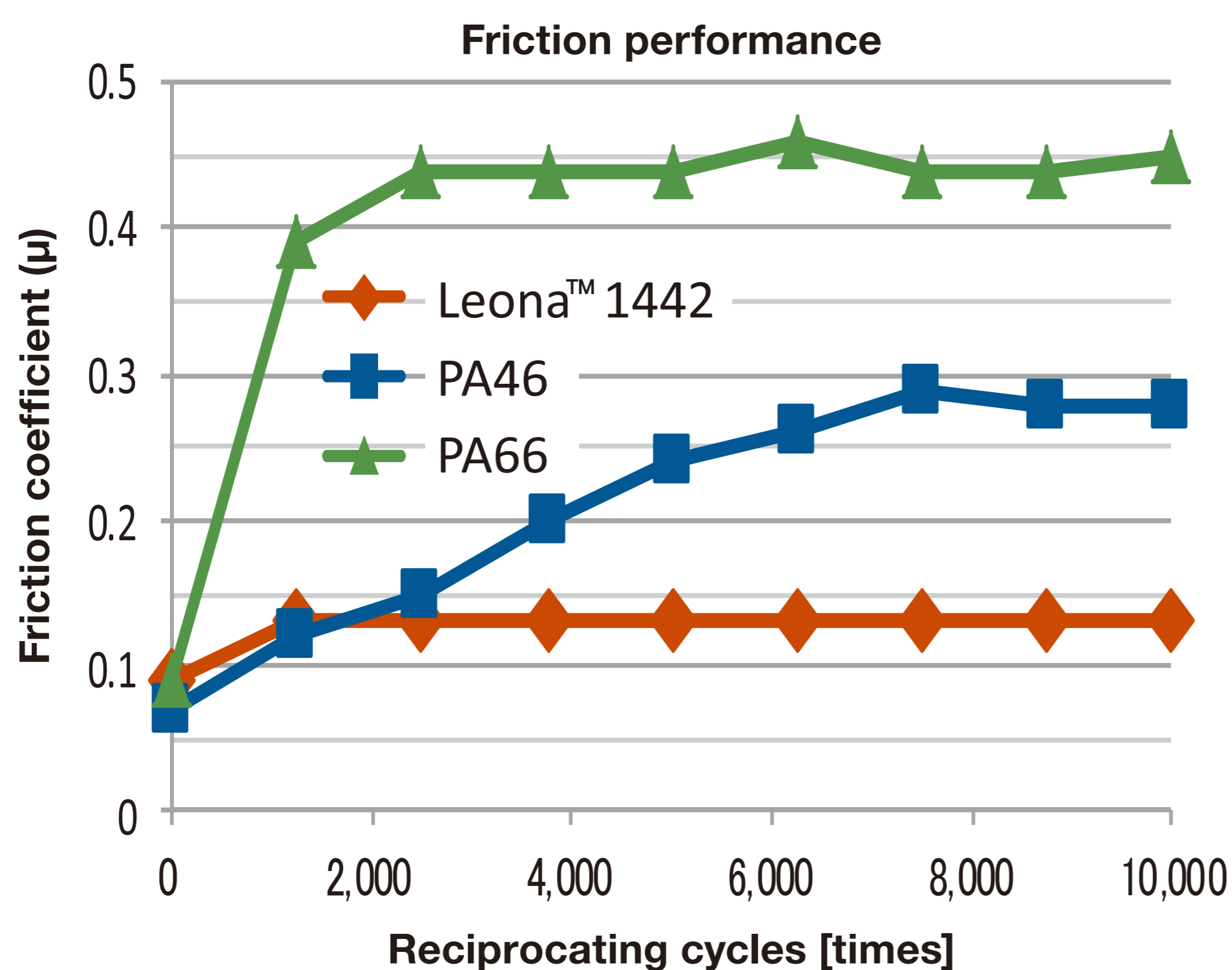
Chain guide

Gear

Bush

Physical Properties

[Sliding test condition] Temp.:23°C, Load:7kgf, Reciprocation number:10,000, Sliding distance:270mm, Non-oil



Technical Data base on ISO Standards

Properties	Unit	LEONA™ 1442	PA66	PA46
Equilibrium moisture content	%	2.4	2.5	3.7
Tensile stress at Yield	MPa	82	85	103
Tensile strain at Yield	%	4	5	10
Tensile modulus	GPa	3.4	3.3	3.4
Flexural strength	MPa	120	120	133
Flexural modulus	GPa	3.0	3.0	3.1