



Features

Suitable for dry running with a low coefficient of friction, low wear rate, good sliding characteristics, the transfer film created will protect the mating metal surface. Suitable for rotary and oscillating movement, high chemical resistance, lower absorption of water and reduced swelling. Also performs well with lubrication.

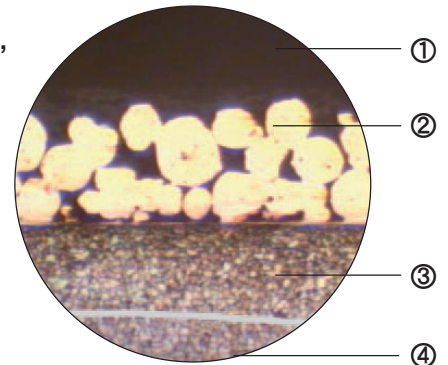
Structure

1. PTFE/Fibre mixture thickness 0.01~0.03mm, provides an excellent initial transfer film, which effectively coats the mating surfaces of the bearing assembly, forming an oxide type solid lubricant film.

2. Sintered bronze powder thickness 0.20-0.35mm, provides Max. thermal conductivity away from the bearing surface, also serves as a reservoir for the PTFE-Fibre mixture.

3. Low-carbon steel, gives exceptionally high load carrying capacity, excellent heat dissipation.

4. Copper/Tin plating thickness 0.002mm, provides good corrosion resistance.



Tech. Data

Max. load	Static	250N/mm ²	Friction coefficient	0.03~0.20		
	Very low speed	140N/mm ²		Max. speed	Dry running	2m/s
	Rotating oscillating	60N/mm ²			Hydrodynamic operation	>2m/s
Max. PV dry running	Short-term operation	3.6N/mm ² *m/s	Thermal conductivity	42 W(m*K) ⁻¹		
	Continuous operation	1.8N/mm ² *m/s	Coefficient of thermal expansion	11*10 ⁻⁶ *K ⁻¹		
Temp. limit		-195°C~+280°C				

Typical Applications

This material meets the demanding criteria for long life and trouble-free performance with or without lubrication.

Automotive: tractors, combines, crop sprayers, earth-movers, graders and other construction, auto machines, specific uses in power steering cylinders, steering gear thrust washers, disc brakes, calipers and pistons, shock absorbers, governor linkage, windshield wiper motor, tilt gear assemblies...

Business machines: photocopy machines, typewriters, mail sorters, postage meter systems, computer terminal

printers and peripheral equipment, automatic printing devices, mail processing machinery...

Hydraulics and valves: pumps including gear, rotary, water, axial piston, and other types, ball, butterfly, poppet steam, and other valves and valve trunnions...

Home appliances: tape recorders, refrigerators, air conditioners, cleaners, polishers, sewing machines, ovens, dishwashers, clothes washing machines...And materials handling, marine engine, packaging, textile equipment, tools...etc.