



Multemp PS consists mainly of synthetic oil having excellent low-temperature properties and lubricity. Multemp PS is well-suited for sealed bearings and has been accepted for many years by bearing and electrical machinery manufacturers.

Excellent low-temperature properties, long performance life

MULTEMP PS

High speed rolling bearing grease for precision machinery

FEATURES

Low-temperature properties

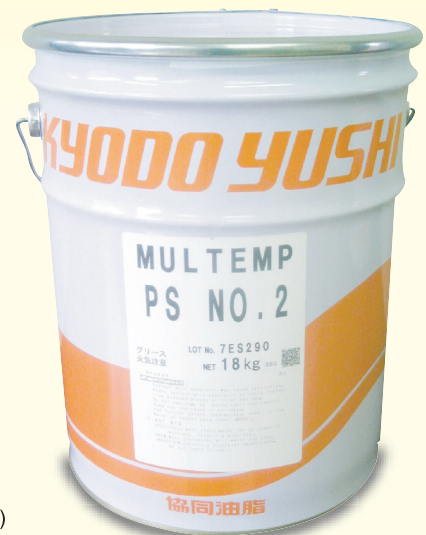
Multemp PS is made from low viscosity synthetic oil and mineral oil and can be used as low as -50°C. Very small low-temperature torque allows easier cold starting.

Noise suppressive properties

Impurities are removed from the main raw materials of Multemp PS. The additives are strictly selected and Multemp PS is manufactured by a special process in a dust-free factory. Multemp PS helps achieve quieter bearing performance.

Performance life

With selected oxidation inhibitor Multemp PS provides longer performance life, promising extended interval of grease refilling and bearing replacement.



PRODUCT PACKAGING

- 2.5 kg litho tin×6 (carton)
- 18 kg pail
- 180 kg drum

Typical analyses of MULTEMP PS

Test item	Multemp PS No.1	Multemp PS No.2	Test method		
Appearance	peach white, buttery	peach white, buttery	—		
Thickener	Lithium soap	Lithium soap	—		
Worked penetration	320	275	ASTM D217		
Dropping point °C	185	190	ASTM D566		
Copper strip corrosion	100°C, 24h	pass	ASTM D4048		
Evaporation loss mass %	99°C, 22h	0.64	ASTM D972		
Oil separation mass %	100°C, 24h	6.4	ASTM D6184-98 Mod.		
Oxidation stability kPa	99°C, 100h	5.0	ASTM D942		
Foreign particles particles/cm ³	10 μm or larger	400	FTMS 791C-3005 Mod.		
	25 μm or larger	100			
	75 μm or larger	0			
	125 μm or larger	0			
Working stability	370	350	FTMS 791C-313		
Water washout mass %	38°C, 1h	6	3	ASTM D1264	
Low-temperature torque mN·m	-40°C	Starting torque	64	69	ASTM D1478-63
		Running torque	14	15	
	-50°C	Starting torque	140	180	
		Running torque	37	49	
Corrosion preventive properties	52°C, 48h	#1	#1	ASTM D1743-73	
Base oil kinematic viscosity mm ² /s	40°C	15.3	15.3	ASTM D445	

Low-temperature Torque Test (ASTM D1478-63)

