

# Gemini<sup>®</sup> Multi Purpose PFPE Oils

## WC Series

### Introduction:

WC series are typical multi purpose PFPE oils. WC PFPE have fantastic properties like: nonflammable, chemically inert, resistant to water washout, no reactions with plastics, elastomers and metals, non electrical conductive, no biological migration and eco-friendly.

### Typical Properties:

WC Oil Grades	20	24	32	37	41	50	64	69	73	
ISO Grade	15	22	68	100	150	220	320	460	460	
AMW, amu	2000	2400	3200	3700	4100	5000	6400	6900	7300	
Viscosity, cSt	@20°C, cSt	44	60	156	250	470	740	1300	1500	1850
	@40°C, cSt	18	22	56	80	147	214	345	420	510
	@100°C, cSt	3.6	4.1	7.7	10	16	22	33	40	47
Oil Viscosity Index	65	73	100	108	117	124	135	144	148	
Base Oil Density, 20°C, g/ml	1.87	1.88	1.89	1.9	1.91	1.91	1.91	1.91	1.92	
Oil Pour Point, °C	-58	-50	-45	-35	-30	-27	-25	-25	-20	
Oil Volatility, ASTM D2595	@121°C, 22hr	8	6	-	-	-	-	-	-	
	@204°C, 22hr	-	-	-	15	1.7	1.5	1.2	0.9	0.5
Four ball, ASTM D4172 av scar, mm	@75°C, 1hr	0.53	0.63	0.66	0.66	0.81	0.88	0.9	0.95	1.2

### WC PFPE Oils Application Industries:

- ✓ Aerospace, Aviation
- ✓ Vehicle, Ship, Tyre
- ✓ Chemical plant, Petrochemical, Oil & Gas
- ✓ Corrugated paper, Pulp & paper mill
- ✓ Textile, Printing machine, Dyeing machine
- ✓ Precision electronic, Semiconductor, Medical device, OA machine, AV machine
- ✓ Metal processing, Food machine, High temp oven, Mold releasing
- ✓ Construction material manufacturing, Glass, Aluminum plant, Film blowing machine
- ✓ Mining machine, Electric power tool, Industrial machine, welding machine
- ✓ Machine tool, Robot, Home appliance, Sports equipment
- ✓ Energy power plant, Nuclear facility, Windmill, Waste treatment machine

### WC PFPE Oils Application Parts:

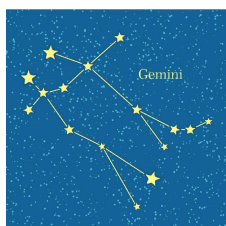
- ✓ Bearing, Valve, Seal, Chain, O-ring, Compressor, Gear box, Joint
- ✓ Spindle, Actuator, Shaft, Rod, Linear guide, Screw rod, Slide block, Cam

- ✓ Reducer、 Locking device、 Detent、 Gasket、 Clutch、 Pulley、 Torque converter、 Rack
- ✓ Pinion、 Shaft coupling、 Tensioner、 Sprocket、 Gyroscope

**Attentions:**

- . Do not mix oils of different types. Thoroughly remove old oils before applying. We suggest use our PFS series as PFPE oils and greases cleaning agent.
- . During processing, wear protection clothes, be careful of eye、 skin contact.
- . Keep the container sealed and store in cool、 well ventilated locations.

**Packaging/Transport:** 25Kg, 50Kg, 100Kg plastic jug, 200Kg drum. Not classified as dangerous in the meaning of transport regulations.



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