

Gemini[®] Multi Purpose PFPE Oils and Greases

MC Series

Introduction:

MC series are typical multi purpose PFPE oils and greases. MC 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. MC-10X are PFPE oils, MC-20X are typical PFPE greases, MC-21X are extreme pressure greases, MC-22X are anti-corrosive greases.

Typical Properties:

MC Oil Grades	100	101	102	103	104	105	106	107	
MC Standard Grease Grades	200	201	202	203	204	205	206	207	
MC Extreme Pressure Grease Grades	210	211	212	213	214	215	216	217	
MC Anti-Corrosion Grease Grades	220	221	222	223	224	225	226	227	
ISO Grade	5	7	15	32	68	150	220	460	
MC Temperature Range, °C	-70~66	-70~104	-63~132	-60~154	-51~179	-36~204	-36~260	-30~288	
Viscosity, cSt	@20°C, cSt	12.4	17.4	38	82	177	522	822	1535
	@40°C, cSt	5.5	7.8	15	30	60	160	243	440
	@100°C, cSt	-	2	3	5	8.4	18	25	42
	@204°C, cSt	-	-	-	-	-	3.1	4.1	6
	@260°C, cSt	-	-	-	-	-	-	2.4	3.3
Oil Viscosity Index	-	-	29	92	111	124	134	145	
Base Oil Density, °C, g/ml	1.87	1.89	1.91	1.92	1.93	1.94	1.95	1.95	
Oil Pour Point, °C	-70	-70	-63	-60	-51	-36	-36	-30	
Oil Volatility, ASTM D2595	@121°C, 22hr	90	75	35	7	3	1	<1	-
	@204°C, 22hr	-	-	-	-	-	7	<3	<1
Oil Separation, ASTM D6184	@99°C, 30hr	18	9	7	6	5	5	4	4
	@204°C, 30hr	-	-	-	-	-	-	2	2

MC PFPE Greases and 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

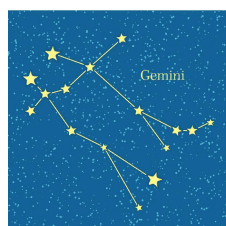
MC PFPE Greases and Oils Application Parts:

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 greases of different types. Thoroughly remove old grease before applying. We suggest use our PFS-190 as PFPE 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: 800g,1Kg,5Kg,25Kg plastic container. Not classified as dangerous in the meaning of transport regulations.



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