

# Gemini<sup>®</sup> Chemical Industry PFPE Oils and Greases

## RG Series

### Introduction:

RG series serve chemical industries related to reactive gas and liquid. RG 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. Industrial manufacturing have huge chances to face very harsh environments that contacting with all sorts of reactive gas or liquid like oxygen, acid, alkali etc, so RG PFPE make its name worthy.

RG series serve industries like: chemical plant, petro chemical, energy, oil & gas, infrastructure, bio-pharmaceutical and pump and paper mill etc.

### Typical Properties:

Type	RG-4	RG-9	RG-25	RG-25S	RG-7P	RG-47	RG-11S	
Color	white	white	white	white	gray	white	clear	
Thickener	PTFE	PTFE	PTFE	PTFE	Inorganic	Non-Melting		
NLGI	2	2	2	2	2	1.5		
Temperature Range, °C	-60~150	-51~179	-36~260	-36~200	-40~180	-15~325	-40~160	
Base Oil Density, °C, g/ml	1.91	1.93	1.95	1.95	1.92	1.95	1.93	
Viscosity	@40°C, cSt	24	60	240	240	49	500	81
	@100°C, cSt	4.4	9	25	25	7.2	47	11
ASTM D445	@204°C, cSt			4	4	6.8	2.2	
Evaporation Loss	@66°C, cSt	9	1					
	@121°C, cSt	35	3	1	1	2	1	
ASTM D2595	@204°C, cSt			<5	<6	<1		
22hr, wt%	@260°C, cSt					2.1		

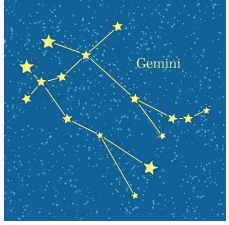
### RG Recommended Applications:

RG-4	Cold to -60°C	Valve packing, seal lubricant for O-ring, thread sealant that replacing PTFE tape
RG-9/25	Multi purpose	Valve, regulator, seal, pump and motor bearing
RG-25S	High temperature	Bearing with rust and corrosion protection
RG-7P	High pressure	Valves in high pressure oxygen industry
RG-47	High temp to 325°C	Extreme high temp applications like oil & gas, API, power plant steam turbine generator
RG-11S	Oil	Vacuum pump oil, oxygen compressor

### 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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