

Gemini[®] PFPE Cleaning Fluids

NB Series

Introduction:

NB series are 55°C~135°C boiling points cleaning fluids for various high-tech applications in the Electrical & Electronics and Optical & Semiconductors. They have low vapor pressure and evaporation tendency, high thermal stability and wide operating temperature range, good compatibility with metals, plastics and elastomers, excellent dielectric properties and chemical inertness with no fire hazard and flash point.

Typical Properties:

	Units	NB-088	NB-089	NB-090	NB-091	NB-092
Boiling Point	°C	55	70	80	110	135
Pour Point	°C	-130	-115	-110	-100	-100
Density	g/mL	1.65	1.68	1.68	1.71	1.72
Kinematic Viscosity	cSt	0.45	0.5	0.57	0.77	1
Vapor Pressure	Torr	228	141	62	17	8
Dielectric Strength	kV 2.54mm	>40	>40	>40	>40	>40
Dielectric Constant	@1kHz	1.86	1.86	1.89	1.92	1.92
Volume Resistivity	Ohm • cm	1.0×10^{12}	1.0×10^{15}	1.5×10^{15}	1.5×10^{15}	1.5×10^{15}
Heat of Vaporization	cal/g	22	171	17	16	16
Water Solubility	ppm/wt	<10	<10	<10	<10	<10

Features:

- NB series use at temperature from 55°C to 135°C without pressure build-up and absolutely no fire hazard
- The widest boiling points among fluorinated fluids
- Very low vapor pressure and evaporation tendency
- Outstanding non-flammability, Non toxic, 0 ODP bring safety to workplace
- High thermal stability and wide operating temperature range, good compatibility with metals, plastics and elastomers
- Excellent dielectric properties and chemical inertness with no fire hazard and flash point

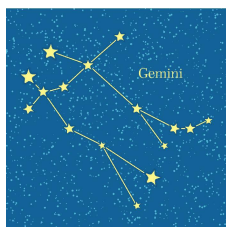
Typical Applications:

- Precision cleaning in high vacuum system, aerospace, electronics, semiconductors
- Optical, Electric, Magnetic parts post-processing treatment
- PFPE lubricant solvent and carrier
- Metallurgy, energy industries

Attentions:

- . 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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