

# Krypton Fluoride Mixtures



## Description

Krypton Fluoride Mixtures are used in 248 nm lithography applications, usually in conjunction with an inert gas mixture.

Major Components		
COMPONENTS	CONCENTRATION	RANGE
Fluorine	1.0%	0.9% - 1.0%
Krypton	1.25%	1.2 - 1.3%
Neon	Balance	

Maximum Impurities	
COMPONENT	CONCENTRATION (ppmv)
Carbon Dioxide (CO <sub>2</sub> )	<5.0
Carbon Monoxide (CO)	<1.0
Carbon Tetrafluoride (CF <sub>4</sub> )	<2.0
Carbonyl Fluoride (COF <sub>2</sub> )	<2.0
Helium (He)	<8.0
Hydrogen Fluoride/Moisture (HF/H <sub>2</sub> O)	<25.0
Nitrogen (N <sub>2</sub> )	<25.0
Nitrogen Trifluoride (NF <sub>3</sub> )	<1.0
Oxygen (O <sub>2</sub> )	<25.0
Sulfur Hexafluoride (SF <sub>6</sub> )	<1.0
Silicon Tetrafluoride (SiF <sub>4</sub> )	<2.0
THC (as Methane) (CH <sub>4</sub> )	<1.0
Xenon (Xe)	<1.0

Cylinder Specifications*			Contents		Pressure	
Cylinder	Valve Outlet Options		Cubic Feet	Liters	PSIG	BAR
1	CGA 679	DISS 728	265	7500	2000	139
2	CGA 679	DISS 728	212	6000	2000	139
3	CGA 679	DISS 728	71	2000	1800	125

\*Additional cylinder sizes and/or valve outlets are available.

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IHS-00022, Jun 2002

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