

# Excimer Laser Gas Mixtures

## Krypton Neon and Argon Xenon Neon

Praxair Electronics has combined its leading-edge precision mixture manufacturing technology with its captive rare gas production to offer a secure and cost-competitive supply of excimer laser gas mixtures.

Praxair's excimer laser products have passed OEM certification, and are available to support advanced photolithography applications. Laser mix products are also available for laser annealing and other emerging processes.

### Key Benefits:

- OEM qualified
- Secure raw material supply
- Regional mixture production
- High precision analytical



KRYPTON NEON KrNe (248 nm)		Spec
Major Components	Kr (%)	1.25 ± 0.05
	Ne	Balance
Impurities (ppm)	H <sub>2</sub> O	<0.5
	O <sub>2</sub>	<0.5
	N <sub>2</sub>	<1.0
	CH <sub>4</sub>	<0.5
	CO	<0.5
	CO <sub>2</sub>	<0.5
	CF <sub>1</sub>	<0.5
	He	<8.0
Xe	<1.0	

ARGON XENON NEON ArXeNe (193 nm)		Spec
Major Components	Ar (%)	3.5 ± 0.1
	Xe (ppm)	10 + 2
Impurities (ppm)	Ne	Balance
	H <sub>2</sub> O	<0.5
	O <sub>2</sub>	<0.5
	N <sub>2</sub>	<1.0
	CH <sub>4</sub>	<0.5
	CO	<0.5
	CO <sub>2</sub>	<0.5
	CF <sub>1</sub>	<0.5
He	<8.0	

Cylinder	44 - 50 liters
Valve	CGA or DISS
Contents	Per customer specifications
Pressure	Per customer specifications

### About Praxair

Praxair is dedicated to helping electronics manufacturers lower costs, improve productivity, enhance technology and reduce environmental impact by serving as a single, integrated source for a variety of process gases, materials and related equipment and services.