



Excimer Laser Gas Mixtures for Display

Xenon Neon and Fluorine 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 laser annealing for LTPS (Low Temperature Poly-Silicon) processes at the 351nm wavelength.

Key Benefits:

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



Xenon Neon XeNe (351nm)		Spec
Major Components	Xe (%)	0.40 ± 0.02
	Ne	Balance
Impurities (ppm)	H ₂ O	< 0.5
	O ₂	< 0.5
	N ₂	< 1.0
	CH ₄	< 0.5
	CF ₄	< 1.0
	CO	< 0.5
	CO ₂	< 0.5
	He	< 8

Fluorine Neon F ₂ Ne (351nm)		Spec
Major Components	F ₂ (%)	0.9 - 1.0%
	Ne	Balance
Impurities (ppm)	O ₂	< 25
	Water/HF	< 25
	CH ₄	< 1
	N ₂	< 50
	CO	< 1
	CO ₂	< 5
	Xe	< 10
	CF ₄	< 2
	SF ₆	< 1
	SiF ₄	< 2
	COF ₂	< 2
	NF ₃	< 1
	He	< 8

Cylinder	44 - 49 liters
Valve	CGA or DISS
Contents	Per customer specifications
Pressure	Per customer specifications

About Praxair Electronics

Praxair Electronics 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.

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