

Laser Gas Mixtures for DUV Lithography

ArF and KrF

Praxair now offers active, fluorine containing laser gas mixes for ArF (193 nm) and KrF (248 nm) DUV lithography applications. Made in factories dedicated to the electronics industry, Praxair products meet the exacting specifications of the world's leading laser OEMs. Combined with Praxair's captive rare gas production, our customers are assured of a secure and cost-competitive source of these mixes



	F2/Kr/Ne	F2/Ar/Ne
F2	0.9-1.0%	0.9-1.0%
Kr	1.2-1.3%	na
Ar	na	3.4%-3.6%
Ne	Balance	Balance
All impurities below listed in ppm(v)		
N ₂	50	50
O ₂	25	25
HF/H ₂ O	25	25
CH ₄	1	1
CO ₂	5	5
CO	1	1
CF ₄	2	2
SF ₆	1	1
SIF ₄	2	2
COF ₂	2	2
NF ₃	1	1
He	8	8
Xe	10	10

Key Benefits:

- Compliant with all laser OEM specifications
- Secure raw material supply
- Produced in plants designed for and dedicated to the electronics markets
- Made with tight tolerance mixing technology and high precision analytical testing

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.

© Copyright 2014, Praxair Technology, Inc.
All rights reserved.

Praxair and the Flowing Airstream design are trademarks or registered trademarks of Praxair Technology, Inc. in the United States and other countries.

Printed in the United States of America
P-40-3989

North America
Phone 1 800 446 8765
Fax 1 800 447 5040
E-mail info@praxair.com

Europe
Process Gases
+32 14 250 611
+32 14 581 505

Asia
+886 3 554 3538
+886 3 554 539
www.praxair.com/electronics