

PURE GASES

ISOBUTYLENE C₄H₈

General Characteristics: A colorless, flammable, and liquefied gas with a detectable odor.
Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
RESEARCH GRADE Min. Purity 99.9% (Liquid Phase)	E01	1 lb	Single-stage high purity regulator, refer to page 142
	LB	0.375 lb	High purity lecture bottle regulator, refer to page 148
C.P. GRADE Min. Purity 99.0% (Liquid Phase)	049	126 lbs	
	008	40 lbs	
	008	17 lbs	
	LB	0.375 lb	

TECHNICAL INFORMATION

Molecular Weight	56.11	Dot Name	Isobutylene
Specific Volume	6.7CF/lb	UN No.	UN1075
Fire Potential	1.8 - 9.6% in Air	Dot Class	2.1
TLV-TWA	None established	Dot Label	Flammable Gas
CGA Valve	510	Cas Registry	115-11-7
LB	180	Cylinder Pressure @ 70°F	24.3 psig

KRYPTON Kr

General Characteristics: A colorless, nonflammable, and odorless gas. Non reactive.
Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	NET WT.	EQUIPMENT RECOMMENDATIONS
RESEARCH GRADE Min. Purity 99.999% Ar < 2 ppm, CO ₂ < 0.5 ppm, CF ₄ < 0.5 ppm, H ₂ < 0.5 ppm CH ₄ < 0.5 ppm, N ₂ < 2 ppm O ₂ < 0.5 ppm, H ₂ O < 0.5 ppm, Xe < 2 ppm	E50	10000 L	76.5 lbs	Stainless-steel high purity double-stage regulator, refer to page 146
	016	2000 L	15.4 lbs	
	008	500 L	3.85 lbs	Stainless-steel lecture bottle regulator, refer to page 149
	LB	50 L	0.38 lb	
ULTRA HIGH PURITY Min. Purity 99.995% Ar < 2 ppm, CO ₂ < 1 ppm, CF ₄ < 1 ppm, H ₂ < 2 ppm CH ₄ < 1 ppm, N ₂ < 5 ppm O ₂ < 1 ppm, H ₂ O < 1 ppm, Xe < 25 ppm	E50	10000 L	76.5 lbs	
	016	2000 L	15.4 lbs	
	008	500 L	3.85 lbs	
	LB	50 L	0.38 lb	

TECHNICAL INFORMATION

Molecular Weight	83.80	Dot Name	Krypton, Compressed
Specific Volume	4.6CF/lb	UN No.	UN1056
Fire Potential	Nonflammable	Dot Class	2.2
TLV-TWA	None established	Dot Label	Nonflammable Gas
CGA Valve	580	Cas Registry	7439-90-0
LB	180		