



SULFUR HEXAFLUORIDE

SF₆

Colorless, flammable, liquefied gas with a mildly aromatic odor.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Sulfur Hexafluoride
 I.D. Number: UN1080
 Hazard Class: 2.2
 Shipping Labels: Nonflammable Gas

TECHNICAL INFORMATION

Molecular Weight: 146.05
 Specific Volume: 2.5 ft³/lb.
 CAS Registry: 2551-62-4
 Safety Data Sheet Reference: SF6

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by Volume (unless otherwise specified) ²				
					O ₂ + N ₂	H ₂ O	CF ₄	Acidity (HF)	Mineral Oil
Electronic	5.0	99.999%	EL	SG SHEL-	6 ppmw	2	5 ppmw	0.3	1
Research	5.0	99.999%	RES	SG SHRES-	6 ppmw	2	5 ppmw	0.3	
Ultra Plus	4.0	99.99%	UP	SG SHUP-	50 ppmw	8	40 ppmw	0.3	
Chemical Pure	3.0	99.9%	CP	SG SHCP-	500 ppmw	8	350 ppmw	0.3	

Notes: ¹ Complete the catalog number by selecting cylinder size code using chart below.

² Specifications are typical results and are subject to change without notice.

Certification is available upon request for a nominal fee.

CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume lbs. ³	Pressure (PSIG) @ 70° F.	Valve Connection CGA ⁴	Gross Weight (lbs.)
High Pressure Steel Cylinders					
200	K	115	320	590	240
80	Q	40	320	590	91
40	G40	20	320	590	55
High Pressure Aluminum Cylinders					
150A	DA	70	320	590	139
80A	QA	40	320	590	80
Disposable Non-Refillable Cylinder (NRC)					
DC	DC	3.5	320	590	8
Lecture Bottle ⁴	LB	0.4	320	590	5

Notes: ³ Product is sold by the cylinder. Approximate fill volumes are typical and may vary slightly depending on cylinder manufacturer.

⁴ Standard CGA for lecture bottle is CGA 590. Lecture bottle CGA 170 or 180 is available upon request.

Contact your WestAir representative about equipment recommendations for this product.