



Pure Gas

DEUTERIUM

colorless, odorless, noncorrosive

Technical Information	
Chemical Symbol	D ₂
Specific Volume	95.9 scf/lb
CAS Number	7782-39-0
Molecular Weight	4.032
LEL / UEL in Air	5% / 75% (vol)

Shipping Information	
US DOT Name	Deuterium, Compressed
Hazard Class	2.1
Label	Flammable Gas
I.D. Number	UN 1957

Grade	Deuterium 5.0
Isotopic Enrichment	> 99.8%
Impurities	Hydrogen < 100 ppm Moisture < 20 ppm Deuterium Hydride < 3000 ppm Nitrogen < 20 ppm Argon + Oxygen < 5 ppm Total Hydrocarbons < 5 ppm Carbon Monoxide < 5 ppm Carbon Dioxide < 5 ppm

Standard Cylinder Size	Contents (liters)	Pressure (psig)	CGA Connection
T	7300	2351	350
K	5000	1786	350
Q	2000	1918	350