→ Fact Sheet

Xenon 5.5

Purity, %: ≥ 99.9995

Impurities, ppm:

N_2	≤ 1
O_2	≤ 0,1
H_2O	≤ 0,1
HC	≤ 0,1
H_2	≤ 0,5
Ar	≤ 1
Kr	≤ 1
CO	≤ 0,2
CO2	≤ 0,2
$CF_4 + C_2F_6$	≤ 0,1
SF6	≤ 0,1
NO	≤ 0,5

Specified data are ideal volume shares (=mole shares)

Type of supply: **Steel cylinder**

Capacity, [Liter]	Cylinder contents, [Liter]	Vapor pressure at 20°C [bar]	Gross weight approx. [kg]	Outer diameter approx. [mm]	Cylinder length approx. [mm]
2	200	58.4	7	100	490
10	1000	58.4	21	140	970
50	10000	58.4	122	229	1640

Supply notice: Vapour pressure at the critical temperature of 16.58°C.

Conversion factors:

m^3 gas (15°C, 1 bar)	l liquid at T_b	kg
1	1.873	5.517
0.534	1	2.945
0.181	0.34	1

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Identification:

Cylinder shoulder colour/	Bright Green RAL 6018
Label:	Xenon 5.5
Valve outlet:	W 21.80 x 1/14, DIN 477 No. 6 CGA 580 Afnor C

Properties:

compressed gas, suffocating, chemically inert

Chemical symbol:	Xe
Molar mass:	131.3 g/mol

Relative density based on dry air (15°C, 1 bar):	4.562
Critical temperature:	289.73 K (16.58 °C)
Boiling point at 1.013 bar (T_s):	165.05 K (-108.1 °C)

Applications:

in light industry as filling gas for lamps; process gas for excimer lasers; in research and development; as propellant for ion propulsion engines

Also available:

Xenon 4.0 in small cylinders

Xenon 5.0

Mixtures with other gases in defined compositions.

Disclaimer:

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