

Silicon Tetrachloride



Grade	ULSI 3N4		
Purity, %	99.94(w)	Metals	
Other Chlorosilanes	≤600 ppmw	Al	≤25 ppbw
Resistivity (ohm-cm)	>100	B	≤0.2 ppba
		C	≤1.0 ppmw
		Cr	≤50 ppbw
		Cu	≤50 ppbw
		Fe	≤50 ppbw
		Ni	≤50 ppbw
		P + As	≤1.0 ppba
		Zn	≤50 ppbw

- A lot analysis is provided for each order. – Individual analysis is also available upon request.
- Pneumatic valves, JIS connections available upon request.

CYLINDER	Internal Volume	Liters	211.7
	Cylinder Sizes >>		XE
	Content	kg	272.7
		lbs	600
	Valve Connection	1/2" FPT	

SHIP	DOT Shipping Name	Silicon Tetrachloride	UN Number	UN 1818	Shipped as
	DOT Classification	8 (Corrosive Material)	ECCN #	EAR99	Liquefied
	DOT Label	CORROSIVE	Harmonized #	2827.39.0000	Gas

TECHNICAL DATA	Cylinder Pressure	3.8 psia
	@NTP	0.27 atm
	Specific Volume	0.142 m ³ /kg
	@NTP	2.28 ft ³ /lb
	CAS No	1026-04-7
Molecular Weight	169.89 g/mol	

Critical Temperature	233.8°C	452.9°F
Critical Pressure	36.6 atm	521 psia

RFO Data	Size, mm	0.254	0.3556	0.508	0.762	1.016
	Size, inches	0.010	0.014	0.020	0.030	0.040
	Flow, sccm	68	130	268	598	1031
	Flow, scf/h	0.1	0.3	0.6	1.3	2.2

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

Cylinder	Treatment	Nominal Diameter (OD)xHeight*		Material of Construction	
		cm	Inches	Cylinder	Valve
XE	ULTRA-LINE®	61x114/118/127	24x45/46.5/50	SS	SS

*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel
SS: Stainless Steel



MATHESON
ask. . .The Gas Professionals™