

Trichlorosilane



Grade	ULSI 3N5		
Purity, %	99.95(w)		
Other Chlorosilanes	≤500 ppmw	Metals	
Resistivity (N-type), ohm-cm	>200	B	≤0.1 ppba
		C	≤5,000 ppba
		Fe*	≤50 ppbw
		P + As	≤0.8 ppba

*Liquid phase sampling

- 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	250
		lbs	550
	Valve connection:	1/2" FPT	

SHIP	DOT Shipping Name	Trichlorosilane	UN Number	UN 1295	Shipped as Liquefied Gas
	DOT Classification	4.3 (Dangerous when wet)	ECCN #	EAR99	
	DOT Label	DANGEROUS WHEN WET, FLAMMABLE LIQUID	Harmonized #	2827.39.0000	

TECHNICAL DATA	Cylinder Pressure	10.4 psig
	@NTP	1.76 atm
	Specific Volume	0.18 m ³ /kg
	@NTP	2.85 ft ³ /lb
	CAS No	10025-78-2
Molecular Weight	135.45 g/mol	

Critical Temperature	234°C	453°F
Critical Pressure	38.2 atm	543.7 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	506	965	1992	4444	7661
	Flow, scf/h	1.1	2.0	4.2	9.4	16

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