



Tetrafluoromethane. CF₄, Carbon tetrafluoride, Halocarbon 14

Product information Tetrafluoromethane is used in the electronics industry for plasma degreasing of multilayer printed circuit boards.

Characteristics Colorless, odorless, liquefied gas. Asphyxiant in high concentrations. Gas density is heavier than air.

Physical data	Molecular weight	[g/mol]	88.005
	Boiling point	at 1.013 bar [° C]	-128.06 at 14.5 psi [° F]
	Density	at 1.013 bar, 15° C [kg/m ³]	3.737 at 1 atm., 70° F [lb/ft ³]
	Vapor pressure	at 0° C [bar]	- at 32° F [psi]
		at 20° C [bar]	- at 70° F [psi]
	Flammability range in air (% volume)	Non-combustible	

Product specification

Purity grade	Typical purity	Typical impurities [ppm]							
		N ₂	O ₂	CO + CO ₂	H ₂ O	CH ₄	Acidity (HF)	SF ₆	Other Halocarbons
5.0N	≥99.9999 %	≤10	≤5	≤2	≤1	≤1	≤1	≤1	≤2

Contact our team for higher grade or different specification products.

Shipping information

UN number	CAS number	EC number	DOT label	Hazard labels required
1982	75-73-0	200-896-5	Non-flammable gas	ADR Class 2, 2A DOT Class 2, 2A

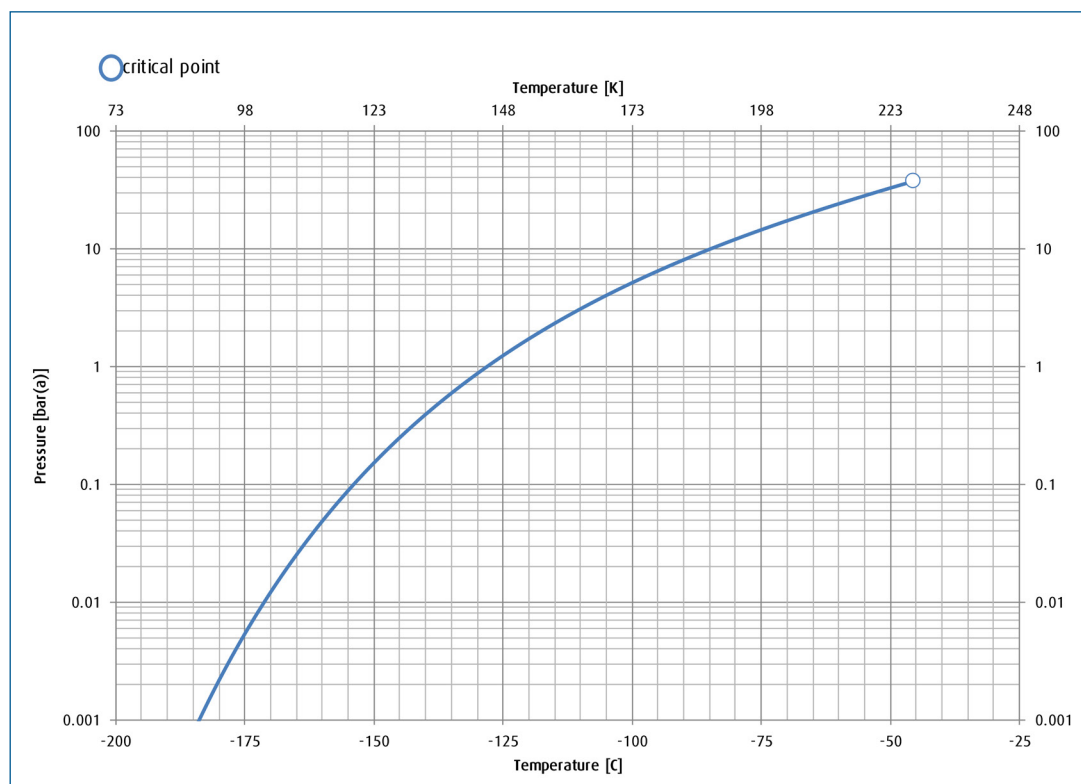
Packaging information

Package options	Cylinder designation	Cylinder internal volume	Cylinder material	Cylinder diameter	Cylinder height to valve outlet	Cylinder tare weight	Fill contents	Pressure	Valve outlet	Valve material
Y-Ton	920	446L	Steel	24 in	20 in	1230 lb	327 kg	2000 (psig) @ 70° F	CGA 716	SS
Cylinder	302	46L	Aluminum	9.8 in	53 in	98 lb	34 kg	2000 (psig) @ 70° F	CGA 716	SS
Cylinder	300	49.6L	Steel	9.25 in	56 in	143 lb	38 kg	2000 (psig) @ 70° F	CGA 716	SS
Cylinder	200	44L	Steel	9 in	52 in	130 lb	32 kg	2000 (psig) @ 70° F	CGA 320	SS
Cylinder	152	29.5L	Aluminum	8 in	49.5 in	49.5 lb	18 kg	2000 (psig) @ 70° F	CGA 716	SS
Cylinder	80	16L	Steel	7 in	33 in	63 lb	11 kg	2000 (psig) @ 70° F	CGA 320	SS
Cylinder	30	8L	Steel	6.75 in	19.75 in	28 lb	4.5 kg	2000 (psig) @ 70° F	CGA 320	SS

Packaging information

	Package options	Cylinder designation	Cylinder internal volume	Cylinder material	Cylinder diameter	Cylinder height to valve outlet	Cylinder tare weight	Fill contents	Pressure	Valve outlet	Valve material
EU	Cylinder	50	50L	Steel	229 mm	1640 mm	67 kg	36 kg	110 (bar) @ 25° C	DIN 6	SS
	Cylinder	40	40L	Aluminum	229 mm	1560 mm	45 kg	24 kg	110 (bar) @ 25° C	DIN 6	SS
	Cylinder	10	10L	Aluminum	140 mm	1100 mm	12 kg	6 kg	110 (bar) @ 25° C	DIN 6	SS
	Cylinder	2	2L	Aluminum	118 mm	460 mm	1.2 kg	4.8 kg	110 (bar) @ 25° C	DIN 6	SS
China	Y-Ton	470L	470L	Steel	610 mm	500 mm	560 kg	320 kg	138 (bar) @ 20° C	CGA320/716	SS
	Cylinder	44L	44L	Steel	228 mm	1320 mm	65 kg	58 kg	138 (bar) @ 20° C	CGA320/716	SS

Vapor pressure curve



Additional information

The information, recommendations, and data contained in this publication are intended to give basic guidance for safe handling and use of gases. For more information, please refer to Safety Data Sheets. You can locate these through the [Linde Safety Data Sheet Search](#). It is essential for the safe use of gases that personnel are properly trained and are fully aware of the possible hazards. Further information and advice on any matter relating to the safe handling or use of these products may be obtained from the nearest Linde office.

Please visit www.linde.com/electronics for Linde Electronics sales offices information.