

Nitrogen Trifluoride (NF₃)

An odorless, colorless, noncombustible, oxidizing gas.

Purity Specifications	% Purity	O ₂ + Ar	N ₂	CF ₄	CO	CO ₂	N ₂ O	SF ₆	H ₂ O	Acidity (HF)
Semiconductor	99.995	3	5	40	1	5	5	5	1	1

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents lbs	Standard Valve Outlet (DISS)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Semiconductor	300	50	640	NT SM300DS	1,450	Y12-HP950 * 640	A = 0-25 B = 0-50 D = 0-100	E28
	200	44	640	NT SM200DS	1,450			
Certificate of Analysis included.						* Insert Delivery Pressure Range Code		

Technical Data & Shipping Information	
Molecular Weight	71.002
Specific Volume	5.426 cf/lb @ 70° F
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Nitrogen Trifluoride
ID Number	UN 2451
U.S. DOT Hazard Class	2.2, (5.1)
U.S. DOT Label	Nonflammable Gas, Oxidizer
CAS Registry	7883-54-2

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.