

Chemical Formula: F₂N₂

Molecular Weight MW: 18.9984

Specifications

Content	Concentration or concentration range (mass fraction, %)
F ₂ %(V/V)	≥20.00
N ₂ %(V/V)	≤80.00
CF ₄ %(V/V)	≤0.05
O ₂ %(V/V)	≤0.45

Characteristic:

A very reactive gas with strong oxidizing properties. It can react with most inorganic or organic substances at room temperature or below, releasing a lot of heat, often leading to combustion and explosion.

Applications:

Used in electronics, laser technology, medical plastics and other fields. Due to its strong oxidizing properties, it can be used in glass etching, surface passivation treatment of metal materials and pipes. Can also be used to produce rocket propellant in national defense. High-purity fluorine gas is also used in electronics, medicine, health, scientific research and other fields. Fluorine gas reacts with sulfur and carbon to get sulfur hexafluoride and carbon tetrafluoride which are good electrical insulation and arc-extinguishing materials. Substituting F for Cl in new refrigerants has the advantage of reducing environmental pollution and ozone layer destruction. It can be used as a strong arson, rocket propellant and as a catalyst in the manufacture of aviation gasoline.

Packaging: DOT carbon steel cylinder, 40L12 -bottles packed together, the fluorine-nitrogen ratio can be adjusted according to customers' requirements.

