

### 1,1,1,2 -Tetrafluoroethane R134a

Molecular Formula : CH<sub>2</sub>FCF<sub>3</sub>

Property of chloride:

Molecular weight	102.03
BP, °C	-26.1
Ice point °C	-
Critical temperature, °C	101.1
Critical pressure , Mpa	4.07
Density of saturated liquid 25°C, (g/cm <sup>3</sup> )	1.207
Specific heat of liquid 25°C, [KJ/(Kg. °C)]	1.51
Solubility(water, 25°C)%	0.15
ODP	0.000
GWP	0.29
Critical density, g/cm <sup>3</sup>	0.512
Vaporization heat under BP, KJ/Kg	215.0

Quality standard:

Purity % ≧	99.9
Moisture, Ppm ≧	0.0010
Acidity Ppm ≧	0.00001
Residue on evaporation, Ppm ≧	0.01
Appearance	Colorless, no cloudy
Odor	no smell

Uses:

R134a is a refrigerant to replace CFC-12IN mobile air conditioning and residential, commercial and industrial refrigerant systems. It is also used as blowing agent in rigid foam insulation, and an important component of blends such as R 404A, R 407c, etc.