



1234yf

NAME: 1234yf

TYPE: HFO123yf (2,3,3,3-Tetrafluoroprop-1-ene)

CHEMICAL FORMULA: CF₃-CF=CH₂

TYPICAL USE: REFRIGERANT GAS

TYPICAL PROPERTIES:

Purity	> 99,5	% wt
Moisture	< 10	mg/Kg
Acidity	< 1	mg/Kg
Residues	< 100	ppm
Non condensable gas	< 1,5	% Vol

PHYSICAL PROPERTIES:

Colour	Colourless	
Odour	Slight	
Molecular weight	114	kg/kmol
Boiling point at 1.013 bar	-29,4	°C
Density at 25°C	1,1	g/cm ³
Vapour Pressure at 21,1°C	6,067	hPa
Vapour Pressure at 54,4°C	14,203	hPa
Critical temperature	94,7	°C
Critical pressure	32,81	bar
Critical density	475,55	kg/m ³
Solubility in H ₂ O at 24°C	198,2	mg/l
Ignition Temperature	405	°C
GWP	4	
ODP	0	
ADR/RID	2.1	
UN NUMBER	3161	
CAS	754-12-1	
EINECS	68-710-7	
ASHRAE	A2L	

Date: 01/2020 - Rev2