



R407F

NAME: R407F

TYPE: MIXTURE OF R125 - R32 - R134a

CHEMICAL FORMULA: CHF₂CF₃/CH₂CF₂/CH₂FCF₃

TYPICAL USE: REFRIGERANT GAS replace R404 in Cabinet application

TYPICAL PROPERTIES (in according to AHRI 700 - 2017)

HFC-125	30	(28÷32)*	% wt
HFC-32	30	(28÷32)*	% wt
HFC-134a	40	(38÷42)*	% wt
PURITY	99,5		% wt
MOISTURE	< 10		ppm
ACIDITY	< 1		ppm
CHLORIDES	< 3		ppm
EVAPORATION RESIDUE	< 100		ppm
UNCONDENSABLE GASES	< 1,5		% Vol

CHEMICAL - PHYSICAL PROPERTIES:

Color	Colorless	
Smell	Ethereal	
Molecular Weight	82,10	Kg/mol
Boiling Point at 1013 mbar	-46,1	°C
Critical temperature	82,6	°C
Critical Pressure	47,5	Bar
Specific Heat of the saturated liquid cp at 25°C	1,52	kJ/kg
Specific Heat of the saturated vapor cp at 25°C	1,194	kJ/kg
Flammability	none	
*Limit of specific		
GWP	1825	
ODP	0	
ADR/RID	2.2	
UN NUMBER	3163	
ASHRAE	A1	

Date: 12/2019 - Rev. 2