



ColdAir Srl
Specialisti in gas refrigeranti

R407C

NAME: R407C

TYPE: MIXTURE OF R125 - R32 - R134a (25/23/52%)

CHEMICAL FORMULA: CHF₂CF₃/CH₂CF₂/CH₂FCF₃

TYPICAL USE: REFRIGERANT GAS

TYPICAL PROPERTIES: (in according to AHRI 700 - 2017)

HFC-125	25	(23÷27)* % wt
HFC-32	23	(21÷25)* % wt
HFC-134a	52	(50÷54)* % 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	86,2	Kg/mol
Boiling Point at 1013 mbar	-43,8	°C
Critical temperature	86	°C
Critical Pressure	46,3	Bar
Liquid density at 25° C	1,138	Kg/l
Vapour density at 25° C	43,80	Kg/m ³
Specific Heat of the saturated liquid cp at 25°C	1,533	kJ/kg
Specific Heat of the saturated vapor cp at 25°C	1,107	kJ/kg
Ratio cp/cv (saturated vapour) at 25°C	1,33	
Enthalpy at 25°C	182,6	kJ/kg
Vapor Pressure at 20°C (a)	10,36	Bar
Vapor Pressure at 50°C (a)	22,10	Bar
Flammability	none	
*Limit of specific		
GWP	1774	
ODP	0	
ADR/RID	2.2	
UN NUMBER	3340	
ASHRAE	A1	