

R454B

NAME: R454B

TYPE: MIXTURE OF R32 - R1234yf

CHEMICAL FORMULA: CH₂F₂ - C₃H₂F₄

TYPICAL USE: REFRIGERANT GAS

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

R32	68,9 %	(- 1%/+ 1%) % wt
R1234yf	31,1 %	(- 1%/+ 1%) % wt

PURITY	> 99,5	% wt
MOISTURE	< 10	mm/Kg
NON CONDENSABLE GAS	< 1,5	% Vol
ACIDITY	< 1	mm/Kg
RESIDUES	< 100	ppm

CHEMICAL - PHYSICAL PROPERTIES:

Color	Colourless	
Odour	Slight ether-like	
Molecular weight	62,61	Kg/kmol
Boiling point at 1.013 bar	-50,50	°C Liquid
Density at 25°C	985	Kg/m ³
Relative Vapour Pressure at 25°C	15,71	bar
Relative Vapour Pressure at 50°C	29,02	bar
Critical Temperature	78,1	°C
Critical Pressure	52,67	bar
Critical Density	443	Kg/m ³
Flammability in air	Mildly flammable	
GWP	465	
ODP	0	
ADR/RID	2.2	
UN NUMBER	3161	
ASHRAE	A2L	