



R452A

NAME: R452A

TYPE: MIXTURE OF HFC32 - HFC125 - HFO 1234yf (11/59/30%)

CHEMICAL FORMULA: CH₂F₂ - C₂H₅F - C₃H₂F₄

TYPICAL USE: REFRIGERANT GAS

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

HFC-32	11	(9,3÷12,7)*	% wt
HFC-125	59	(57,2÷60,8)*	% wt
HFC-1234yf	30	(29,0÷30,1)*	% wt
PURITY	> 99,5	% wt	
MOISTURE	< 10	ppm	
ACIDITY (as HCL)	< 1	ppm	
CHLORIDES	< 3	ppm	
EVAPORATION RESIDUE	< 100	ppm	
UNCONDENSABLE GASES	< 1,5	% Vol	

CHEMICAL - PHYSICAL PROPERTIES:

Color	Colorless
Molecular Weight	103,5 g/mol
Boiling Point at 101,3 kPa	-47,0 °C
Critical temperature	74,9 °C
Critical Pressure	4002 kPa
Liquid density at 21,1° C	1148,8 Kg/m ³
Flammability	none

*Limit of specific

GWP	2141
ODP	0
ADR/RID	2.2
UN NUMBER	1078
ASHRAE	A1

Date: 11/2019 - Rev. 1