



R507 RECLAIMED

NAME: R507

TYPE: MIXTURE OF HFC125 - HFC143a (50/50%)

CHEMICAL FORMULA: CHF₂CF₃/CH₃CF₃

TYPICAL USE: REFRIGERANT GAS

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

HFC-125	50	(49,5÷51,5)* % wt
HFC-143a	50	48,5÷50,5)* % 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
Smell	Ethereal
Molecular Weight	98,8 Kg/mol
Boiling Point at 1013 mbar	-46,7 °C
Critical temperature	70,60 °C
Critical Pressure	37,94 Bar
Liquid density at 25° C	1,05 Kg/l
Water solubility	1,25 g/l
Specific Heat of the saturated liquid cp at 25°C	1,44 kJ/kg
Relative density (air = 1)	3,43
Vapor Pressure at 20°C (a)	0,748 KPA
Flammability	none

*Limit of specific

GWP	3985
ODP	0
ADR/RID	2.2
UN NUMBER	3163
ASHRAE	A1

Date: 11/2019 - Rev. 1