

R-454C

SPECIFICATIONS FROM AHRI STANDARD 700

STANDARD SPECIFICATIONS	LIMIT VALUE
Composition R-32: 21,5 % R-1234yf: 78,5 %	19,5 % ≤ R-32 ≤ 23,5 % 76,5 % ≤ R-1234yf ≤ 80,5 %
Purity	≥ 99,5 % weight
Water content	≤ 10 ppm weight
Acidity (HCl)	≤ 1 ppm weight
Condensable content (gas phase)	≤ 1,5 % volume
High boiling residue	≤ 0,01 % volume

PHYSICAL PROPERTIES

Name	Difluoromethane 21,5 % weight 2,3,3,3-Tetrafluoropropene 78,5 % weight
Chemical formula	CH ₂ F ₂ / CF ₃ -CF = CH ₂
Boiling point at 1,013 bar	Bubble: -45,6 °C Dew: -37,8 °C
Critical temperature	82,4 °C
GWP [AR4]	148
Security class (ISO817, EN378, ASHRAE34)	A2L
Ozone Depletion Potential	0
Lower flammability limits [kg/m ³]	0,293
Oil	POE (PolyolEster)

PACKAGING

12L, 62L

SUBSTITUTION

- R-404A
- R-22

DIFFERENT MARKET NAMES

- OPTEON™ XL20