

R-452A

SPECIFICATIONS FROM AHRI STANDARD 700

STANDARD SPECIFICATIONS	LIMIT VALUE
Composition R-32: 11 % R-125: 59 % R-1234yf: 30 %	9,3 % ≤ R-32 ≤ 12,7 % 57,2 % ≤ R-125 ≤ 60,8 % 29 % ≤ R-1234yf ≤ 30,1 %
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 11 % weight Pentafluoroethane 59 % weight 2,3,3,3-tetrafluoropropene 30 % weight
Chemical formula	CH ₂ F ₂ / CHF ₂ -CF ₃ / CF ₃ -CF = CH ₂
Boiling point at 1,013 bar	Bubble: -46,9 °C Dew: -43,1 °C
Critical temperature	74,9 °C
GWP [AR4]	2 141
Security class (ISO817, EN378, ASHRAE34)	A1
Ozone Depletion Potential	0
Lower flammability limits [kg/m ³]	Ininflammable
Lubrifiant	POE (PolyolEster)

PACKAGING

12L, 20L, 62L, 900L

SUBSTITUTION

- R-404A
- R407A
- R-507
- R-407F

DIFFERENT MARKET NAMES

- OPTEON™ XP44