

R-427A

SPECIFICATIONS FROM AHRI STANDARD 700

STANDARD SPECIFICATIONS	LIMIT VALUE	
Composition		
R-32: 15 %	R-134a: 50 %	$13 \% \leq R-32 \leq 17 \%$
R-125: 25 %	R-143A: 10 %	$48 \% \leq R-134a \leq 52 \%$
		$23 \% \leq R-125 \leq 27 \%$
		$8 \% \leq R-143A \leq 12 \%$
Purity	$\geq 99,5 \%$ weight	
Water content	≤ 10 ppm weight	
Acidity (HCl)	≤ 1 ppm weight	
Condensable content (gas phase)	$\leq 1,5 \%$ volume	
High boiling residue	$\leq 0,01 \%$ volume	

PHYSICAL PROPERTIES

Name	Difluoromethane 15 % weight Pentafluoroethane 25 % weight 1,1,1 Tetrafluoroethane 50 % weight 1,1,1 Trifluoroethane 10 % weight
Chemical formula	$CH_2F_2 / CHF_2-CF_3 / CF_3-CH_2F / CH_3-CF_3$
Boiling point at 1,013 bar	$-42,7^{\circ}C$
Critical temperature	$86,8^{\circ}C$
GWP [AR4]	2 138
Security class (ISO817, EN378, ASHRAE34)	A1
Ozone Depletion Potential	0
Lower flammability limits [kg/m ³]	Ininflammable
Oil	POE (PolyolEster)

PACKAGING

12L, 62L, 900L

SUBSTITUTION

- R-22
- R-507
- R-404A