



Product sheet R-407A

Product name	R-407A
Physical state	liquefied under pressure
Chemical sign	CH ₂ F ₂ + CHF ₂ CF ₃ + CF ₃ CH ₂ F
Chemical designation	R-32 (Difluoromethane) + R-125 (Pentafluoroethane) + R-134a (1,1,1,2-Tetrafluoroethane)
Purity	99,5 %
Standard	DIN 8960
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

Components	
R-32 Difluoromethane	20,0 wt%
R-125 (Pentafluoroethane)	40,0 wt%
R-134a (1,1,1,2-Tetrafluoroethane)	40,0 wt%

Minor components	Maximum values
organic substances	0,5 wt%
Moisture	25,0 wt. ppm
high-boiling residues	50,0 wt. ppm
non-condensable gases	1,5 vol.%

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Refrigerant 407 A T12 RCyl: 10,0 kg	S06450112	steel	12,0 l		10,0 kg	null null	
Refrigerant 407 A T61 RCyl: 54,0 kg	S06450161	steel	61,0 l		54,0 kg	null null	

Vapour pressure corresponds to 293.15 K (20°C).



Typical applications

- as a refrigerant
- in commercial refrigeration
- in cooling
- in supermarket cooling
- in deep freezing

Physical data

operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	2107
	Molar mass	90,1 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,33 kg m ⁻³
Liquid State	Boiling temperature at the bubble point	227,95 (-45,2) K (°C)
Critical Point	Temperature	355,45 (82,25) K (°C)
	Pressure	45,2 bar

All mentioned data, values and notes correspond to actual state of knowledge on the date of printing. They make no claim to be correct or complete and therefore do not release the user from his obligation to check them.

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