



Westfalen

Product sheet R-407C

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

Components	
R-32 Difluoromethane	23,0 wt%
R-125 (Pentafluoroethane)	25,0 wt%
R-134a (1,1,1,2-Tetrafluoroethane)	52,0 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 KLEA 407 C T12 RCyl: 11,0 kg	S06470112	steel	12,0 l		11,0 kg		
Refrigerant KLEA 407 C T27 RCyl: 25,0 kg	S06470127	steel	27,0 l		25,0 kg		
Refrigerant KLEA 407 C T61 RCyl: 56,0 kg	S06470161	steel	61,0 l		56,0 kg		
Refrigerant KLEA 407 C T900 RDrum: 860 kg	S06470590	steel	900,0 l	10,4 bar	860,0 kg		



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

Typical applications

- as a refrigerant
- in commercial refrigeration
- in climate control
- in cooling
- in heat pumps

Physical data

operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	1774
	Molar mass	86,2 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,31 kg m ⁻³
Liquid State	Boiling temperature at the bubble point	229,35 (-43,8) K (°C)
Critical Point	Temperature	359,15 (86) K (°C)
	Pressure	46,3 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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