



Product sheet R-134a

Product name	R-134a
Physical state	liquefied under pressure
Chemical sign	CF ₃ CH ₂ F
Chemical designation	R-134a
Standard	DIN 8960
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

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 134 a T12 RCyl: 12,0 kg	S06440112	steel	12,0 l		12,0 kg		immersion tube
Refrigerant KLEA 134 a T27 RCyl: 28,0 kg	S06440127	steel	27,0 l		28,0 kg		
Refrigerant KLEA 134 a T61 RCyl: 63,0 kg	S06440161	steel	61,0 l		63,0 kg		
Refrig. R 134 a T900 RDrum: 935 kg	S06440590	steel	900,0 l	5,7 bar	935,0 kg		

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

Typical applications

- as a refrigerant
- in vehicle air conditioning
- in commercial refrigeration
- in industrial refrigeration
- in water chilling
- in cooling



Typical applications

- for inerting

Physical data

operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	1430
	Molar mass	102,0 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,25 kg m ⁻³
Liquid State	Boiling Point	246,95 (-26,2) K (°C)
Critical Point	Temperature	374,2 (101,05) K (°C)
	density	512 kg m ⁻³
	Pressure	40,59 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.

Current state 13.09.2020