



Westfalen

Product sheet R-1234yf

Product name	R-1234yf
Physical state	liquefied under pressure
Chemical sign	C ₃ H ₂ F ₄
Chemical designation	R-1234yf (2,3,3,3-Tetrafluoroprop-1-ene)
Purity	99,5 %
Standard	DIN 8960
Properties	see safety data sheet
Shoulder color	flame red (RAL 3000)

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 R-1234yf T12 RCyl: 5,0 kg	A085401128	steel	12,0 l	5,92 bar	5,0 kg	DIN 477 No. 1 (W 21,80 x immersion tube 1/14 LH)	
Refrigerant R-1234yf T61 RCyl: 57,0 kg	A08540161	steel	61,0 l	5,92 bar	57,0 kg	DIN 477 No. 1 (W 21,80 x immersion tube 1/14 LH)	

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

Typical applications

- as a refrigerant
- in vehicle air conditioning

Physical data

operating figures Safety group according to DIN EN 378 A2



Physical data		
	Global warming potential (GWP ₁₀₀)	4
	Molar mass	114,0 g mol ⁻¹
	Flammability (LFL)	0,299 kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,06 kg m ⁻³
Liquid State	Boiling Point	243,75 (-29,4) K (°C)
Critical Point	Temperature	367,85 (94,7) K (°C)
	density	475,55 kg m ⁻³
	Pressure	33,82 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 28.11.2021