



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
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	immersion tube
Refrigerant R-1234yf T61 RCyl: 57,0 kg	A08540161	steel	61,0 l	5,92 bar	57,0 kg	DIN 477 No. 1	immersion tube

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
	Global warming potential (GWP ₁₀₀)	4
	Molar mass	114,0 g mol ⁻¹



Physical data		
	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

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