

R-134a (English version)

Chemical name: 1,1,1,2-Tetrafluoroethane
Formula: CH₂FCF₃

Specification / grade

Purity	99.7	by weight 100%
Impurity	Humidity	10 ppm
	Residual	50 ppm
	As CHI	0.1 ppm
	Non-soluble gases in vapour phase	1.5 vol %

Cylinder / content specification

	V _{cil} (l)	m _{gas} (m ³)	Product code
Cylinders	12	12	5410112
	27	28	5410127
	61	63	5410161
Bundlebarrel	820	852	5411182
Drum	900	936	5411191

Cylinder characteristics

Colour according to standard	-	
Shoulder	Pure white	RAL 9010
Cylindrical part	Pure white	RAL 9010
Connection according to NEN 3268	RU1	

Physical properties

Molecular weight (kg/kmol)	102.0		
Density saturated vapour (kg/m ³ at -15 °C)	8.29		
Density liquid (kg/m ³ at 25 °C)	1205		
Boiling point (°C) (K)	-26.1	respective	247.1
Critical temperature (°C) (K)	101.1	respective	374.1
Vapour pressure (bar at 25 °C)	6.66		

Additional information

Material Safety Data Sheet	1,1,1,2- Tetrafluoroethane (R-134a) (VIB nr. 150)
Product description	Colourless liquid with ethereal odour
Designation according to ASHRAE	R-134a
Ozone depletion potential (O.D.P.) (CFK - 11 = 1)	0
Warming up factor (HGWP) (CFK - 11 = 1)	0.28

Applications

Air conditioning for cars Air conditioning for buildings Low temperature transport	Cooling agent for temperature area between -20°C and +10°C For commercial cooling and food storage
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