



R-507

Product name	R-507
Physical state	liquefied under pressure
Chemical sign	CHF ₂ CF ₃ + CF ₃ CH ₃
Chemical designation	R-125 (Pentafluoroethane) + R-143a (1,1,1-Trifluoroethane)
Purity	99.5 %
Standard	DIN 8960
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

Components	
R-125 (Pentafluoroethane)	50 wt%
R-143a (1,1,1-Trifluoroethane)	50 wt%

Minor components	Maximum values
organic substances	0.5 wt%
Moisture	25 wt. ppm
high-boiling residues	50 wt. ppm
non-condensable gases	1.5 vol.%

Name	Material number	Type	Volume	Vapour/filling pressure	Content	Valve	Properties
Refrigerant R-507 T12 RCyl: 10,0 kg	B06330112W	steel	12 l	11.3 bar	10 kg	NBN 226 Forme B (21,8 x 1/14 right)	Cage
Refrigerant KLEA R-507 T61 RCyl: 49,0 kg	B06330161W	steel	61 l	11.3 bar	49 kg	NBN 226 Forme B (21,8 x 1/14 right)	Cage



Westfalen

Physical data		
operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	3985
	Molar mass	98,9 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,53 kg m ⁻³
Liquid State	Boiling temperature at the bubble point	226,45 (-46,7) K (°C)
Critical Point	Temperature	343,75 (70,6) K (°C)
	Pressure	37,1 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 21.09.2023