



R417A

Item	287140
Description	Refrigerant gas mixture

DATA SHEET

CAS N.	354-33-6	811-97-2	106-97-3
CEE N.	206-557-8	212-377-0	203-448-7
ASHRAE N.	R125	R134a	R600
Chemical name	Pentafluoroethane	1,1,1,2-Tetrafluoroethane	Butane
Molecular formula	C ₂ HF ₅	C ₂ H ₂ F ₄	C ₄ H ₁₀

PROPERTIES

R125 (Pentafluoroethane)	% p/p	46,6 ± 1,1
R134a (1,1,1,2-Tetrafluoroethane)	% p/p	50,0 ± 1,0
R600 (butane)	% p/p	3,4 + 0,1 -0,4
Appearance	-	Colourless liquefied gas
Molar mass	g/mol	106,75
Vapour pressure (at 20°C)	kPa	856,14
Bubble temperature (at 101,3 kPa)	°C	-39,07
Dew point temperature (at 101,3 kPa)	°C	-34,1
Critical temperature	°C	87,14
Liquid density at 20°C (a P eb)	Kg/m ³	1173
Vapour density at 20°C (a P eb)	Kg/m ³	46,9
Acidity	ppm	≤ 1
High-boiling impurity	% v/v	≤ 0,01

GUARANTEE

Purity	% w/w	≥ 99,5
Vapor phase noncondensable	% v/v	≤ 1,5
Humidity	ppm	≤ 10