



R449A

Item	287400
Description	Refrigerant gas mixture

DATASHEET

CAS N.	811-97-2	754-12-1	354-33-6	75-10-5
CEE N.	212-377-0	468-710-7	206-557-8	200-839-4
ASHRAE N.	R134a	R-1234yf	R125	R32
Chemical name	1,1,1,2-Tetrafluoroethane	2,3,3,3-tetrafluoroprop-1-ene	Pentafluoroethane	Difluoromethane
Molecular formula	C ₂ H ₂ F ₄	C ₃ H ₂ F ₄	C ₂ HF ₅	CH ₂ F ₂

PROPERTIES

R134a (1,1,1,2-Tetrafluoroethane)	% p/p	26,1 ± 0,6
R1234yf	% p/p	24,9 ± 0,6
R125 (Pentafluoroethane)	% p/p	25,1 ± 0,6
R32 (Difluoromethane)	% p/p	23,9 ± 0,6
Appearance	-	Colourless liquefied gas
Molar mass	g/mol	87,5
Vapour pressure (at 20°C)	kPa	1136
Bubble temperature (at 101,3 kPa)	°C	-46,8
Dew point temperature (at 101,3 kPa)	°C	-41,6
Critical temperature	°C	nd
Liquid density at 20°C (a P eb)	Kg/m ³	1109
Vapour density at 20°C (a P eb)	Kg/m ³	10,09
Acidity	ppm	≤ 1
High-boiling residue	% v/v	≤ 0,01

GUARANTEE

Purity	% p/p	≥ 99,5
Air and other non-condensable	% v/v	≤ 1,5
Water	ppm	≤ 10