

R-417A ISCEON® M059 (English version)

Chemical name: Tetrafluoroethane / Pentafluoroethane / n-butane
 Formula: $\text{CF}_3\text{CH}_2\text{F}$ / CF_3CHF_2 / C_4H_{10}

Specification / grade

Purity			99.5	weight %
Mixture	R-125	Min 45.5 – Max	47.7	weight %
	R-134a	Min 49.0 – Max	51.0	weight %
	R-600	Min 3.0 – Max	3.5	weight %
Impurity	Moisture		10	ppm
	Residue		50	ppm
	Acidity as HCl		0.1	ppm
	Non soluble gasses in evaporated phase		1.5	% vol

Cylinder / content specification

	V_{cyl} (l)	m_{gas} (kg)	Product code
Cylinders	12.3	11.5	5490112
	27.2	26.0	5490127
	61.0	58.5	5490161

Cylinder characteristics

Colour according to standard	--
Shoulder	Pure white RAL 9010
Cylindrical part	Pure white RAL 9010
Connection according to NEN 3268	RU 1

Physical properties

Average molecular weight (kg/kmol)	106.7
Density saturated vapour (kg/m ³ at -15 °C)	12.54
Density liquid (kg/m ³ at 25 °C)	1151
Boiling point (°C) (K)	-39.1 respective 234.1
Critical temperature (°C) (K)	87.0 respective 360.2
Vapour pressure (bar at 25 °C)	9.85

Additional information

Material Safety Data Sheet	Cooling gas R-417A (VIB nr. 9204)
Product description	Colourless liquid with ethereal odour
Designation according to ASHRAE	R-417A
Ozone depletion potential (O.D.P.) (CFK-11 = 1)	0
Warming up factor (HGWP) (CFK-11 = 1)	2400

Applications

Air treatment installations, air co's Alternative for R-22	Cooling agent for temperature area between -25 °C and +15 °C
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