

RS-25 COMPARATIVE PHYSICAL PROPERTIES

PROPERTY	UNITS	RS-25	R12
Molecular Weight		120.1	120.9
Boiling point at 1 atm	°C	-27.5(1)	-29.8
	°F	-17.5(1)	-21.6
Critical Temperature	°C	102.3	112
	°F	216.1	233.6
Critical Pressure	bara	40.4	41.5
	psia	581	597
Liquid Density at 25 °C	kg/m ³	1215	1311
Latent Heat of Vaporisation at boiling point	kJ/kg	196(1)	234
Vapour Pressure at 25 °C	bara	6.7(1)	6.4
	psia	97.4(1)	93.3
Specific heat of liquid at 25 °C	kJ/kgK	1.35	1
Ozone Depletion Potential	ODP	0	1
Flammability limit in air at 1 atm	vol%	none	none
Inhalation exposure (8 h day & 40 h week)	ppm	1000	1000

(1) Bubble point

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