

### Physical Properties of Refrigerants

### R-124

Environmental Classification	HCFC
Molecular Weight	136.5
Boiling Point (1atm, °F)	10.3
Critical Pressure (psia)	527.1
Critical Temperature (°F)	252.5
Critical Density (lb./ft <sup>3</sup> )	34.6
Liquid Density (70°F, lb./ft <sup>3</sup> )	85.5
Vapor Density (bp.lb./ft <sup>3</sup> )	0.419
Heat of Vaporization (bp, BTU/lb.)	70.6
Specific Heat Liquid (70 °F, BTU/lb. °F)	0.265
Specific Heat Vapor (1atm, 70 °F, BTU/lb. °F)	0.1762
Ozone Depletion Potential (CFC 11 = 1.0)	0.03
Global Warming Potential (CO2 = 1.0)	609
ASHRAE Standard 34 Safety Rating	A1

### Pressure- Temp Chart

Temp °C	R-124 psig
-20	28.88
-15	16.11
-10	23.33
-5	20.55
0	17.77
5	15
10	12.22
15	9.44
20	6.66
25	3.88
30	1.11
35	1.66
40	4.44
45	7.22
50	10
55	12.77
60	15.55
65	18.33
70	21.11

This information is believed to be accurate and reliable but is provided for guidance only.

**Tiba International For Refrigeration** accepts no responsibility and the user assumes all risks and liability for use of this information.

**Tiba International For Refrigeration**

Headquarter: 54 Tayaran Street – Nasr City – Cairo – Egypt.

Tel.: (+202) 22639232 Fax : (+202) 24029417

Website: [www.intertiba.com](http://www.intertiba.com)

Mobile: +20 114 7905 214 / + 20 111 0004 020

E-mail: [info@intertiba.com](mailto:info@intertiba.com) [sales@intertiba.com](mailto:sales@intertiba.com)