Chemical

Propylene

PROPYLENE

Propylene is one of the most important light olefins and is mainly obtained as a by-product of ethylene production during steam cracking of liquid fractions, and in refinery catalytic cracking units.

It is characterized by being one of the most used alkenes in the industry for the manufacture of chemical products and plastics such as polypropylene, propylene oxide, 2-propanol etc. It can also be used in flame cutting applications and is also a great refrigerant, being a substitute for R22 in flooded systems by means of adaptating the installation to the use of hydrocarbons.

Chemical Name:

Propene

CAS Number:

115-07-1

Packaging:

- Cylinder
- Big Cylinder
- Tank

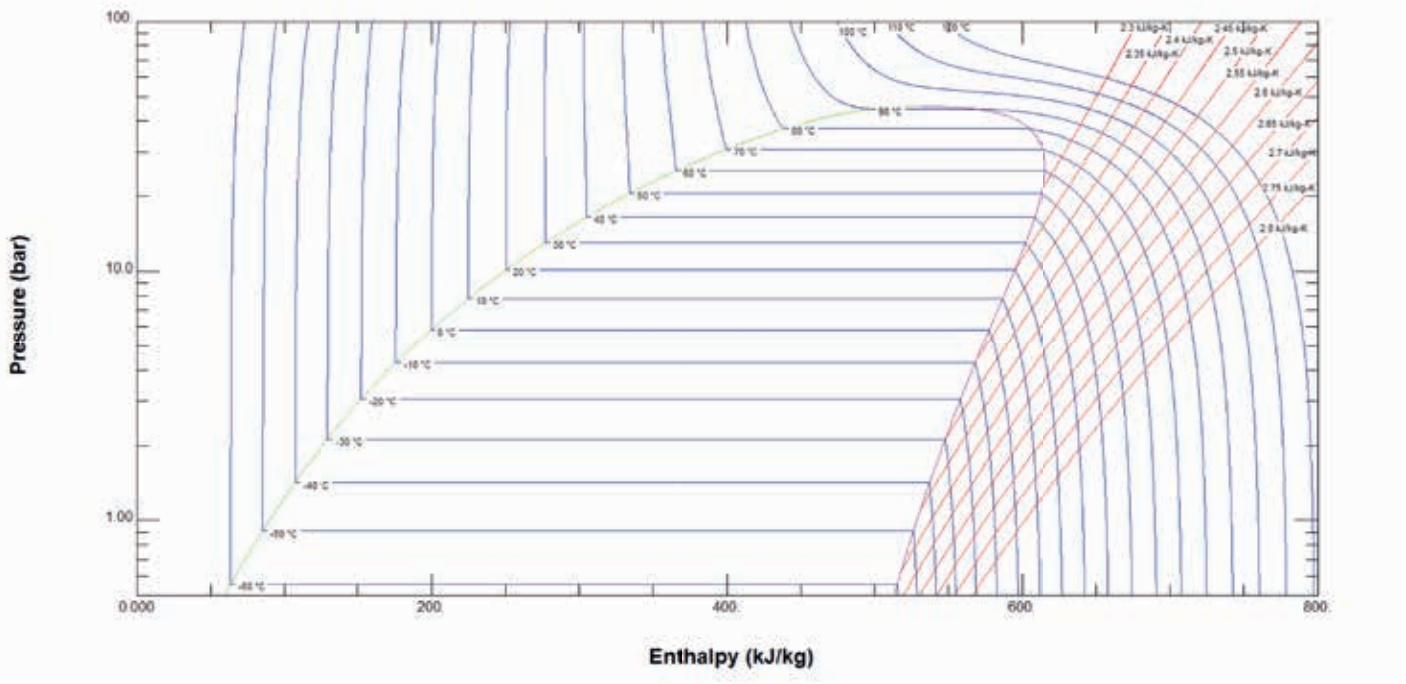
Applications:

- Chemical Reagent
- Cooling through flooded systems in industrial facilities.
- Flame-cutting

Table of R-1270 Thermodynamic Properties:

Temperature (ºC)	Absolute Pressure (bar)	Liquid Density (kg/l)	Gas Density (kg/l)	Liquid Enthalpy (kJ/kg)	Gas Enthalpy (kJ/kg)
-50	0.90808	0.613	0.0021306	84.895	526.41
-45	1.1397	0.6068	0.0026312	95.866	531.82
-40	1.4147	0.60052	0.0032179	106.93	537.19
-35	1.7385	0.59415	0.0039001	118.11	542.52
-30	2.1162	0.58767	0.0046883	129.4	547.78
-25	2.5535	0.58109	0.0055935	140.81	552.97
-20	3.0562	0.57438	0.0066274	152.35	558.09
-15	3.6302	0.56755	0.0078031	164.03	563.13
-10	4.2814	0.56057	0.0091345	175.86	568.06
-5	5.0162	0.55343	0.010637	187.85	572.89
0	5.8409	0.54613	0.012328	200	577.59
5	6.7619	0.53863	0.014227	212.33	582.15
10	7.786	0.53092	0.016354	224.86	586.56
15	8.9198	0.52298	0.018736	237.59	590.79
20	10.17	0.51477	0.021401	250.55	594.82
25	11.544	0.50628	0.024381	263.74	598.63
30	13.05	0.49745	0.027718	277.2	602.19
35	14.694	0.48824	0.031459	290.95	605.45
40	16.484	0.47859	0.035663	305.02	608.37
45	18.43	0.46843	0.040406	319.45	610.89
50	20.538	0.45766	0.045781	334.29	612.94

Pressure Diagram:



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If you want more information about our products, contact us.

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