



Westfalen

Product sheet base product Corpadur® N

Product name	base product Corpadur® N
Physical state	cryogenically liquefied
Chemical sign	N ₂
Chemical designation	Nitrogen
Standard	null
Properties	see safety data sheet

Minor components	Maximum values
Oxygen	50,0 vol. ppm
Moisture	67,0 vol. ppm
Carbon dioxide	300,0 vol. ppm
Carbon monoxide	5,0 vol. ppm

Typical applications

- according to the instructions for use

Physical data

operating figures	Molar mass	28,01 g mol ⁻¹
Liquid State	Boiling Point	77,35 (-195,8) K (°C)
	Heat of Evaporation	198,70 kJ kg ⁻¹
	Liquid Density	808,6 kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0250 J s ⁻¹ m ⁻¹ K ⁻¹
	Density Ratio to Air (at 288.15 K and 1.013 bar)	0,97
	Specific heat (at 298.15 K and 1.013 bar)	1,04 kJ kg ⁻¹ K ⁻¹
	Density (at 273.15 K and 1.013 bar)	1,25 kg m ⁻³
Critical Point	Temperature	126,2 (-147,0) K (°C)
	density	314 kg m ⁻³
	Pressure	34,00 bar
Triple Point	Temperature	63,2 (-210,0) K (°C)
	Vapour Pressure	0,1253 bar



Westfalen

Physical data

Heat of Fusion

25,8 kJ kg⁻¹

All mentioned data, values and notes correspond to actual state of knowledge on the date of printing. They make no claim to be correct or complete and therefore do not release the user from his obligation to check them.

Current state 25.11.2021