



Product sheet base product Argon 5.0

Product name	base product Argon 5.0
Physical state	cryogenically liquefied
Purity	99,999 %
Properties	see safety data sheet

Minor components	Maximum values
Nitrogen	5,0 vol. ppm
Oxygen	2,0 vol. ppm
Moisture	3,0 vol. ppm
Hydrocarbons	1,0 vol. ppm

Physical data		
operating figures	Molar mass	39,95 g mol ⁻¹
Liquid State	Boiling Point	87,29 (-185,9) K (°C)
	Heat of Evaporation	160,81 kJ kg ⁻¹
	Liquid Density	1392,8 kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0160 J s ⁻¹ m ⁻¹ K ⁻¹
	Density Ratio to Air (at 288.15 K and 1.013 bar)	1,38
	Specific heat (at 298.15 K and 1.013 bar)	0,52 kJ kg ⁻¹ K ⁻¹
	Density (at 273.15 K and 1.013 bar)	1,78 kg m ⁻³
Critical Point	Temperature	150,86 (-122,3) K (°C)
	density	537,7 kg m ⁻³
	Pressure	48,98 bar
Triple Point	Temperature	83,8 (-189,4) K (°C)
	Vapour Pressure	0,687 bar
	Heat of Fusion	29,3 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 09.09.2021