



Product sheet Oxygen 2.5

Product name	Oxygen 2.5
Physical state	gaseous, compressed
Chemical sign	O ₂
Chemical designation	O2
Purity	99,5 %
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	pure white (RAL 9010)

Minor components	Maximum values
Nitrogen + argon	5000,0 vol. ppm

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Oxygen T04 RCyl. nCS	S00100104508	steel	4,0 l	200,0 bar	0,8 m ³	DIN 477 Nr. 9	
Oxygen T05 RCyl.	S00100105	steel	5,0 l	200,0 bar	1,1 m ³	DIN 477 Nr. 9	
Oxygen T10 RCyl.	S00100110	steel	10,0 l	200,0 bar	2,1 m ³	DIN 477 Nr. 9	
Oxygène B20 4 m3	S00100120	steel	20,0 l	200,0 bar	4,2 m ³	DIN 477 Nr. 9	
Oxygen T33 RCyl. 300BAR VIR	S00100133349	steel	33,0 l	300,0 bar	10,0 m ³		
Oxygen T50 RCyl.	S00100150	steel	50,0 l	200,0 bar	10,5 m ³	DIN 477 Nr. 9	
Oxygen RBundle12	S00100312	steel	600,0 l	200,0 bar	126,1 m ³	DIN 477 Nr. 9	
Oxygen RBundle12 300 bar	S001003123	steel	600,0 l	300,0 bar	182,4 m ³	DIN 477-5 No. 59	

Unless otherwise stated, these refer to filling pressure at 288,15K (15°C) and to content at 288,15K (15°C) and 1,013 bar.

Typical applications

- for material processing in the electronics industry
- for steel manufacture in metallurgy



Typical applications

- for flame cutting
- in gouging
- for plasma cutting
- for oxy-fuel welding
- for flame brazing
- for flame spraying
- for heating and straightening
- for heat jointing
- in aquaculture
- in flame ionization detection
- for cutting with an oxygen lance

Physical data

Liquid State	Heat of Evaporation	212,98 kJ kg ⁻¹
	Liquid Density	1141,0 kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0254 kg m ⁻³
	Density Ratio to Air (at 288.15 K and 1.013 bar)	1,11
	Specific heat (at 298.15 K and 1.013 bar)	0,92 kg m ⁻³
	Density (at 273.15 K and 1.013 bar)	1,43 kg m ⁻³
Critical Point	Temperature	154,57 (-118,6) K (°C)
	density	436,1 kg m ⁻³
	Pressure	50,43 bar
Triple Point	Temperature	54,4 (-218,8) K (°C)
	Vapour Pressure	0,0015 bar
	Heat of Fusion	13,9 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.

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