



Westfalen

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 T05 RCyl.	B00100105	steel	5,0 l	200,0 bar	1,1 m ³	NBN 226 Forme A	Cage
Oxygen T10 RCyl.	B00100110	steel	10,0 l	200,0 bar	2,2 m ³	NBN 226 Forme A	Cage
Oxygen T20 RCyl.	B00100120	steel	20,0 l	200,0 bar	4,2 m ³	NBN 226 Forme A	Cage
Oxygen T30 RCyl.	B00100130	steel	30,0 l	200,0 bar	6,6 m ³	NBN 226 Forme A	Cage
Oxygen T33 RCyl. 300bar C ViR	B00100133349	steel	33,0 l	300,0 bar	10,0 m ³	DIN 477-5 No. 59	Cage, ViD
Oxygen T50 RCyl.	B00100150	steel	50,0 l	200,0 bar	10,9 m ³	NBN 226 Forme A	Cage
Oxygen T50 RCyl. 300 bar	B001001503	steel	50,0 l	300,0 bar	15,2 m ³	DIN 477-5 No. 59	Cage
Oxygen RBundle12	B00100312	steel	600,0 l	200,0 bar	130,8 m ³	NBN 226 Forme A	Cage
Oxygen RBundle12 300 bar	B001003123	steel	600,0 l	300,0 bar	182,4 m ³	DIN 477-5 No. 59	Cage
Oxygen, 2.5 liquid, T600 RVessel	B00100560		600,0 l		487,0 m ³	NBN 226 Forme A	Cage



Westfalen

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
------	-----------------	-------------	-------------------------	-------------------------	---------	-------	------------

Unless otherwise stated, these refer to filling pressure at 288,15K (15°C) and to content at 288,15K (15°C) and 0,981 bar.

Physical data		
operating figures	Wobbe Index Wi	90,28 (-182,9) kWh m ⁻³
Sublimation Point	Heat of sublimation	1141 kJ kg ⁻¹
	Sublimation temperature	212,98 K (°C)
	Density	1,43 kg m ⁻³
Liquid State	Boiling Point	1,11 K (°C)
	Heat of Evaporation	0,0254 kJ kg ⁻¹
	Boiling temperature at the bubble point	0,92 K (°C)
	Liquid Density	154,57 (-118,6) kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0015 kg m ⁻³
	Specific heat (at 298.15 K and 1.013 bar)	54,4 (-218,8) kg m ⁻³
	Density (at 273.15 K and 1.013 bar)	50,43 kg m ⁻³
Critical Point	Temperature	13,9 K (°C)
	Pressure	APLC_27,APLC_26,APLC_25 bar

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 02.09.2020