



Product sheet Oxygen 3.5

Product name	Oxygen 3.5
Physical state	gaseous, compressed
Chemical sign	O ₂
Chemical designation	O2
Purity	99,95 %
Standard	EN ISO 14175
Properties	see safety data sheet
Shoulder color	pure white (RAL 9010)

Minor components	Maximum values
Nitrogen + argon	500,0 vol. ppm

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Oxygen 3.5 T10 RCyl.	B00150110	steel	10,0 l	200,0 bar	2,2 m ³	NBN 226 Forme A	Cage
Oxygen 3.5 T30 RCyl.	B00150130	steel	30,0 l	200,0 bar	6,6 m ³	NBN 226 Forme A	Cage
Oxygen 3.5 T50 RCyl.	B00150150	steel	50,0 l	200,0 bar	10,9 m ³	NBN 226 Forme A	Cage
Oxygen 3.5 T50 RCyl. 300 bar	B001501503	steel	50,0 l	300,0 bar	15,0 m ³	DIN 477-5 No. 59	Cage
Oxygen 3.5 RBundle12	B00150312	steel	600,0 l	200,0 bar	130,8 m ³	NBN 226 Forme A	Cage
Oxygen 3.5 RBundle12 300 bar	B001503123	steel	600,0 l	300,0 bar	187,2 m ³	DIN 477-5 No. 59	Cage

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



Physical data		
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 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.

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