

Argon/Hydrogen 98/2

Chemical name: Argon / Hydrogen
Formula: Ar / H₂

Specification / grade

Purity	Ar	98	vol %
	H ₂	2	vol %
Impurity	N ₂	< 100	ppm
	H ₂ O	< 40	ppm
	O ₂	< 40	ppm
Tolerance	According to NEN-EN-ISO 14175		

Cylinder / content specification

	V _{cil} (l)	V _{gas} (m ³)	P _{vul} (bar)	Product code
Cylinders	10	2.2	200	2760110
	50	10.7	200	2760150
Bundle (16 cyl)	800	171	200	2760580
	m ³ at 15 °C and 1 bar			

Cylinder characteristics

Colour according to standard	NEN-EN 1089-3	
Shoulder	Yellow green	RAL 6018
Cylindrical part	Yellow green	RAL 6018
Connection according to NEN 3268	LU 1	

Physical properties

Average molecular weight (kg/kmol)	39.24
Density gas (kg/m ³ at 1.013 bar and 0 °C)	1.750
Relative density (air = 1)	1.353

Additional information

Material Safety Data Sheet	Mixture of argon and hydrogen (H ₂ <3%) (VIB nr. 8335)
Product description	Colourless and odourless compressed gas
Indication according to NEN-EN-ISO 14175	R1
Blending tolerance hydrogen	+/- 10% relative

Applications

Plasma welding of austenitic stainless steel, nickel and nickel alloy	TIG welding of stainless steel, nickel and nickel alloy
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