

Argon/Hydrogen 95/5

Chemical name: Argon / Hydrogen
Formula: Ar / H₂

Specification / grade

Mixture	Ar	95	vol %
	H ₂	5	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 _{cyl} (l)	V _{gas} (m ³)	p _{fill} (bar)	Product code
Cylinders	10	2.1	200	2700110
	50	10.7	200	2700150
Bundle (16 cyl.)	800	171	200	2700580
	m ³ at 15 °C and 1 bar			

Cylinder characteristics

Colour according to standard	NEN-EN 1089-3	
Shoulder	Flame red	RAL 3000
Cylindrical part	Yellow green	RAL 6018
Connection according to NEN 3268	LU 1	

Physical properties

Average molecular weight (kg/kmol)	38.05
Density gas (kg/m ³ at 1.013 bar and 0 °C)	1.694
Relative density (air = 1)	1.314

Additional information

Material Safety Data Sheet	Mixture of argon and hydrogen (H ₂ >= 3%) (VIB nr. 9439)
Product description	Colourless and odourless compressed gas
Indication according to NEN-EN-ISO 14175	R1
Tolerance limits hydrogen	+ / - 10% relative

Applications

TIG welding of several kinds of austenitic stainless steel	
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