



# Argon 4.6

Chemical name	Argon	
Formula	Ar	
Purity	≥ 99.996 vol %	
Impurity	N <sub>2</sub>	< 30 ppm
	O <sub>2</sub>	< 10 ppm
	H <sub>2</sub> O	< 10 ppm

Packaging	V <sub>cyl</sub> (l)	V <sub>gas</sub> (m <sup>3</sup> ) *	P <sub>fill</sub> (bar)	Article code
	5	1.1	200	2600105
	10	2.2	200	2600110
	10	3	300	2600113 GENIE**
	20	4.4	200	2600120
	20	6.1	300	2600123 GENIE**
	30	6.5	200	2600130
	30	9.1	300	2600194 NEMO PLUS *
	50	10.8	200	2600150
	800	173	200	2600580
	800	242.7	300	2600583 **

\* m<sup>3</sup> at 15 °C and 1 bar

Colour according to standard	NEN-EN 1089-3	
Shoulder	Emerald RAL 6001	
Cylindrical part	Emerald RAL 6001	
Cylindrical part (GENIE)	Genitiaanblauw RAL 5010	
Connection	NEN 3268	RU 3
	* NEN-EN 561	Integrated valve + quick release
	** NEN-ISO 5145	No. 30

Physical properties	Molecular weight (kg/kmol)	39.95		
	Density gas (kg/m <sup>3</sup> at 1.013 bar and 0 °C)	1.784		
	Relative density (air = 1)	1.380		
	Boiling point (°C) (K)	-185.9	respective	87.3
	Critical temperature (°C) (K)	-122.3	respective	151

Additional information	Material Safety Data Sheet	MSDS available on <a href="http://www.linde-gas.nl">www.linde-gas.nl</a>
	Product description	Colourless and odourless compressed gas; chemical inert
	Indication according NEN-EN-ISO 14175	I1



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### Applications

Inertisation  
Carrier gas in the gas chromatography  
Shield gas at TIG and MIG welding  
Backing gas  
Plasma-arc cutting  
Inertisation Heat treatment of metals  
Plasma screens  
Decarbonise of steel  
Anneal of metals

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