

Marking

CAS-Number 7440-01-9

Characterization acc. ADR UN 1065, Neon, compressed, 2.2 Class 2, 1 A

Cylinder Marking

shoulder:
light green

Essential properties

Colourless, odorless rare gas, compressed, lighter than air

Symbols of Risks

gas, compressed

Physical Properties

molecular weight: 20,179 kg/kmol
 gas density at 0°C and 1,013 bar: 0,9000 kg/m³
 density ratio to air: 0,6960

For additional safety information see Material-/safety data sheet No. *-NE-086A

Valves / Manifolds

Valve connection acc. to national standards

Recommended Manifolds Spectrolab FM 51 / FM 52exact
Spectrochem FE 51 / FE 52exact

**Specifications / Forms of delivery**

		5.0	
Composition			
Ne	>	99,999	Vol.-%
Impurities			
O ₂	<	1	ppmv
N ₂	<	2	ppmv
H ₂ O	<	1	ppmv
He	<	6	ppmv
CO ₂	<	0,5	ppmv
HC	<	0,1	ppmv
Cylinders / Contents			
F 10 200 bar		1860,0	l
F 50 200 bar		9260,0	l

Remarks

Applications:
 Filling gas for tubular neon lamps
 Component of laser gas mixtures (Helium-Neon lasers, Excimerlasers)
 Component of panning gas (filling gas for plasma display panels [PDP])
 Buoyancy gas for stratospheric balloons