

Marking

CAS

Characterization acc. ADR

Cylinder Marking

7440-01-9
UN 1065 NEON,
COMPRESSED, 2.2,(E)

Shoulder color: bright green

Essential properties

compressed gas, lighter than air, colorless, odorless

Symbols of risks

For additional safety information see safety data sheet *-NE-086A

Description

Colourless, odorless rare gas, lighter than air. In closed rooms the breathing air is displaced (danger of asphyxiation!).

Materials

Cylinders and Valves: any usual materials

Seals: PTFE, PCTFE, PVDF, PA, PP, IIR, NBR, CR, FKM,Q, EPDM

Physical Properties			
molecular weight	20,179 kg/kmol	vapour pressure at 20°C	
critical point		gas density at 0°C and 1,013 bar	0,9000 kg/m ³
temperature	44,403 K	density ratio to air	0,6960
Pressure	26,54 bar	gas density at 15°C and 1 bar	0,8420 kg/m ³
density	0,48400 kg/l	conversion factor	
triple point		liquid at Ts to m ³ gas (15°C, 1 bar)	
temperature	24,544 K	virial coefficient	
Pressure	0,43300 bar	Bn at 0°C	0,47*10 ⁻³ bar ⁻¹
boiling point		B30 at 30°C	0,46*10 ⁻³ bar ⁻¹
temperature	27,10 K; -246 °C	gaseous state at 25°C and 1 bar	
liquid density	1,2060 kg/l	specific heat capacity cp	1,030 kJ/kg K
evaporation heat	86,07 kJ/kg	thermal conductivity	486*10 ⁻⁴ W/m K
		dynam. viscosity	31,6*10 ⁻⁶ Ns/m ²