

E 941

**Marking**

CAS

Characterization acc. ADR

Cylinder Marking

7727-37-9  
UN 1066 NITROGEN,  
COMPRESSED, 2.2,(E)

Shoulder color: black, body olive

**Essential properties**

compressed gas, colorless, odorless

**Symbols of risks**

For additional safety information see safety data sheet \*-N2-089A

**Description****Materials**

Physical Properties			
<b>molecular weight</b>	28,0134 kg/kmol	<b>vapour pressure at 20°C</b>	
<b>critical point</b>		<b>gas density at 0°C and 1,013 bar</b>	1,250 kg/m <sup>3</sup>
temperature	126,260 K	<b>density ratio to air</b>	0,9671
Pressure	34,10 bar	<b>gas density at 15°C and 1 bar</b>	1,1694 kg/m <sup>3</sup>
density	0,3140 kg/l	<b>conversion factor</b>	
<b>triple point</b>		liquid at Ts to m <sup>3</sup> gas (15°C, 1 bar)	0,691
temperature	63,150 K	<b>virial coefficient</b>	
Pressure	0,1246 bar	Bn at 0°C	-0,47*10 <sup>-3</sup> bar <sup>-1</sup>
<b>boiling point</b>		B30 at 30°C	-0,17*10 <sup>-3</sup> bar <sup>-1</sup>
temperature	77,36 K; -196 °C	<b>gaseous state at 25°C and 1 bar</b>	
liquid density	0,8085 kg/l	specific heat capacity cp	1,040 kJ/kg K
evaporation heat	198,6 kJ/kg	thermal conductivity	256,6*10 <sup>-4</sup> W/m K
		dynam. viscosity	17,9*10 <sup>-6</sup> Ns/m <sup>2</sup>