

**Marking**

**CAS-Number** 7439-90-9

**Characterization acc. ADR** UN 1056, Krypton, compressed, 2.2 Class 2, 1 A

**Cylinder Marking**

shoulder:  
light green

**Essential properties**

Colourless, odorless rare gas, compressed, heavier than air

**Symbols of Risks**

gas, compressed

**Physical Properties**

molecular weight: 83,80 kg/kmol  
 gas density at 0°C and 1,013 bar: 3,7491 kg/m<sup>3</sup>  
 density ratio to air: 2,8997

For additional safety information see Material-/safety data sheet No. \*-KR-077A

**Valves / Manifolds**

**Valve connection** acc. to national standards

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

**Specifications / Forms of delivery**

		4.0	5.0	
<b>Composition</b>				
Kr	>	99,99	99,999	Vol.-%
<b>Impurities</b>				
O <sub>2</sub>	<	2	-	ppmv
Ar	<	10	-	ppmv
O <sub>2</sub> + Ar	<	-	1,5	ppmv
N <sub>2</sub>	<	20	2	ppmv
H <sub>2</sub> O	<	5	2	ppmv
THC (as CH <sub>4</sub> )	<	1	0,5	ppmv
Xe	<	50	2	ppmv
CF <sub>4</sub>	<	-	1	ppmv
H <sub>2</sub>	<	-	0,5	ppmv
CO + CO <sub>2</sub>	<	-	1	ppmv
<b>Cylinders / Contents</b>				
F10		1000	1000	l
F 10		2000	2000	l
F 50		10000	10000	l

**Remarks**

Applications:  
lightning  
filling gas for windows (insulating gas)  
laser technology