



**eod** 

# CK 1 CERAMIC KNIFE

**Ceramic EOD Knife**

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## Ceramic EOD Knife

NSN 1385-99-725-4262

### Description

The CK 1 Ceramic knife is an essential pocket tool for all aspects of EOD, Counter IED and Search operations. The CK 1 is light, very sharp and importantly non-sparking and non-conducting. The plastic blade protective sheath prevents accidental damage to the blades and against accidental injury while carried in an EOD tool kit.

### Uses include

- Cutting detonating cord and explosives
- Cutting Kevlar® core rope found in most hook and line kits
- Tool for Advanced Manual Techniques

### Technical Info.

Blade Zirconia Ceramic (ZrO<sub>2</sub>)

Blade length 75mm

Material Composition ZrO<sub>2</sub>>94.4, Y<sub>2</sub>O<sub>3</sub> 5.25,

SiO<sub>2</sub><0.015, Fe<sub>2</sub>O<sub>3</sub><0.01, Na<sub>2</sub>O<0.01, Al<sub>2</sub>O<sub>3</sub><0.25, Cl<0.01,

Specific density 5.95g/cm

Hardness (HV) >1100-1250

Bending strength 1150Mpa

Fracture toughness 7-10

Grain size <0.5um

Elastic modulus 205Gpa

Thermal conductivity 3w/m.k

Thermal expansion Coefficient 20-400oC



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