



## TECHNICAL DATA SHEET

### Characteristics

Product	Obsidian
Size	2,00 - 10,00 cm. or 010~0,50 cm.
Usage	Medical & Surgical Instruments, Geological & Scientific Research, Construction & Decorative Stone, Jewelry & Fashion Industry, High-Tech & Precision Applications... etc.

### Chemical composition

SiO <sub>2</sub>	70~78
Al <sub>2</sub> O <sub>3</sub>	10~15
Na <sub>2</sub> O+K <sub>2</sub> O	3~7
MgO	0,5~1,5
CaO	1~3
Fe <sub>2</sub> O <sub>3</sub>	1~4

### Physical properties

Rock Structures	Obsidian - Volcanic Rock
Physical form	The appearance is in the glass luster, fragile
Color	Black
Used for	Industrial
Loss value	~0.59 – 0.61 °C
Hardness (Mohs)	5,0 ~ 5,5
Temperature capability	~1050°C
Water Absorption Rate	< 0,3%
Loss of Ignition	< %1 (usually between 0.2 – 0.3 % )

The physical or chemical properties of Elay Group Mining products represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

They are supplied as a technical service and are subject to change without notice.

Technical data shown above are considered accurate and reliable; however, no guarantee is given nor intended.



## OBSIDIAN

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