

■ **Introduction:**

Bullet resistant Boron carbide bulletproof ceramics is a kind of high hardness, high wear resistance, high strength ceramic material, has excellent bulletproof performance. Boron carbide bulletproof ceramics is nearly twice as hard and much stronger than steel. Therefore, Boron carbide bullet resistant material is widely used in the field of bulletproof equipment, such as bulletproof vests, bulletproof shields, bulletproof vehicles and so on. Boron carbide bulletproof ceramics have the advantages of light weight, wear resistance and corrosion resistance, so Boron carbide bulletproof plate has a unique advantage in bulletproof materials.

■ **Technical data sheet:**

Item	Unit	Technical Data
Density	G/cm3	2.5-2.65
Hardness	Mohs	9.3
Bending strength	Mpa	4000-5000
Flexure strength	Mpa	400-500

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Advantages:

1. High hardness: The hardness of Boron carbide bulletproof ceramics is close to Mohs hardness 9, much higher than the hardness of general metal materials.
2. Good impact resistance: Boron carbide bullet resistant material have good impact resistance, can effectively absorb the impact of shrapnel and bullets, avoid injury.
3. Good bulletproof performance: Boron carbide bulletproof plate have very good bulletproof ability, can effectively resist various types of bullets and shrapnel attacks, providing better protection.

