

BOROSHOCK

ABOUT BoroShock

BoroShock is a 90% boron carbide ceramic, one of the hardest materials known. This hardness is coupled with light weight, offering ultimate performance. For all armor applications, it provides protection without restricting performance or mobility.

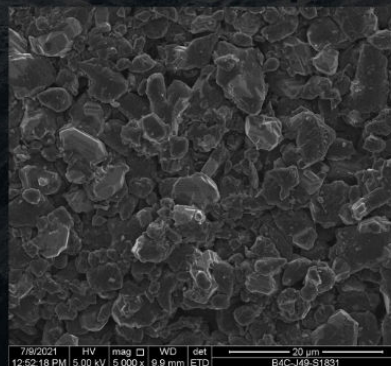
PRODUCT CHARACTERISTICS

- Boron Carbide is one of the hardest materials known
- Extremely low weight-ideal protection from high-level ballistic threats
- Suitable for personal body, aircraft/helicopter and vehicle armor
- Ability to locate holes and make shapes in the finished ceramic

BoroShock for Armor

Property	Units	Test Method	BoroShock
Density	g/cc	ASTM C 373	2.37 - 2.44
Color	---	---	Black
Grain Size	Microns	ASTM E 883	<20 μm
Elastic Modulus	GPa	ASTM C 1161	385
Hardness	HK ₁₀₀	ASTM E 384	>3000 HK ₁₀₀

Typical BoroShock Microstructure



ABOUT SINTX

SINTX Technologies is an original equipment manufacturer (OEM) that develops and commercializes advanced ceramics for biomedical, aerospace, industrial, and armor applications. SINTX collaborates with customer & partner organizations to innovate within these sectors.

MADE IN THE USA



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