

**Hot Pressed Boron Carbide(HP-B4C) Data Sheet****HP-B4C Properties**

Density:	$\geq 2.50$	g/cm <sup>3</sup>
Bending Strength:	400	Mpa
Sintering process:	Hot press sintering.	/
Fracture Toughness:	4.0	MPa*m <sup>1/2</sup>
Vickers Hardness:	3100	kgf/mm <sup>2</sup>
Hardness:	$\geq 30$	GPa
Tournure resistance:	$\geq 400$	MPa
Modulus of elasticity:	438	Gpa
Crack resistance K <sub>Ic</sub> :	4.0	MPaxm <sup>1/2</sup>

