

# Boron Doped Diamond & Micron Powder

The boron doped diamond not only has the excellent character of regular diamond, but also has the character of low resistance, good thermal diffusivity, higher Oxidating temperature and excellent character of semiconductor. So it has wide application range, well accepted in Electronic Manufacturing industry and deep processing industry.

Applications: Well accepted in electronic manufacturing industry and deep processing industry. Special suitable in making high-performance electrical and electronic components under high temperature and harsh environments working conditions.



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CHANGSHA 3 BETTER ULTRA-HARD  
MATERIALS CO.,LTD

## The boron doped diamond has the excellent performance in:

### » 1: Heat Resistance

(could increase the Heat Resistance temperature 200-250°C)

### » 2: Chemical inertness

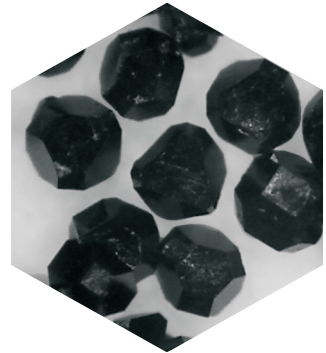
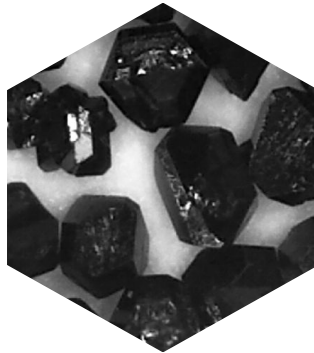
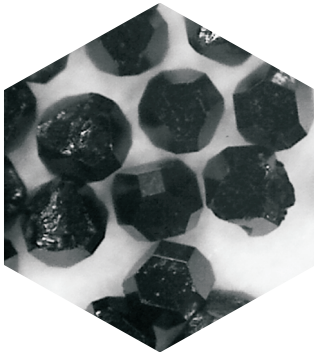
(no cutting tumor during iron materials)

### » 3: Wear resistance

(special in hard and brittle materials, could improve the life time 2-4 times)

### » 4: High impact resistance

(the polycrystalline structure in polycrystalline bits seldom broken, better than ordinary synthetic diamond bits and natural diamond bits)



### Grit

30/40	40/50	50/60	60/70	70/80	80/100	100/120
•	•	•	•	•	•	•
120/140	140/170	170/200	200/230	230/270	270/325	325/400
•	•	•	•	•	•	•
0-0.5	0-1	2-3	1-3	2-4	3-5	4-6
•	•	•	•	•	•	•
3-6	2-6	3-8	4-8	5-10	6-10	10-14
•	•	•	•	•	•	•
5-12	6-12	8-16	10-20	12-22	12-25	20-25
•	•	•	•	•	•	•
20-30	20-40	25-40				
•	•	•				

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