

## Technical Data Sheet

# Boron Carbide Powder

<b>Product ID:</b>	050600PD001 - 050600PD004		
<b>Formular:</b>	B <sub>4</sub> C	<b>Molecular weight:</b>	55.25 g/mol
<b>CAS No.:</b>	12069-32-8	<b>EINECS No.:</b>	235-111-5
<b>Color:</b>	Black		
<b>Description:</b>	Our boron carbide powder has a purity of 99% and can be customized to different particle sizes according to customer requirements, offering ultra-high hardness as well as excellent wear resistance and high-temperature performance.		
<b>Application:</b>	Antioxidants, fillers, grinding & lapping material, etc.		

### Product

### Image:



## 1. Sizes

Product ID	Formular	Size
050600PD001	B <sub>4</sub> C (99%)	< 500 nm
050600PD002	B <sub>4</sub> C (99%)	D50< 15µm
050600PD003	B <sub>4</sub> C (99%)	-200 Mesh
050600PD004	B <sub>4</sub> C (99%)	-325 Mesh
050600PDDZ	B <sub>4</sub> C (99%)	Customized

## 2. Chemical compositions

Element	Chemical Composition (wt%)				
	T.B + T.C	F.C	F.B	Fe <sub>2</sub> O <sub>3</sub>	Si
Typical Value	≥ 97	≤ 1.0	≤ 0.2	≤ 0.4	≤ 0.3

*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.*

### **3. Packaging**

Bottled/Bag.

Double vacuum packed.

Customized according to customer requirements.

### **4. Period of Validity**

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

### **5. Handling and Storage**

When using, wear protective equipment and operate in a well-ventilated area to avoid inhalation or contact with dust.

Stored in a dry, sealed container in a well-ventilated environment.

### **Contact Us**

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