



# GNP Graystar

Specialty Materials



## TECHNICAL DATA SHEET

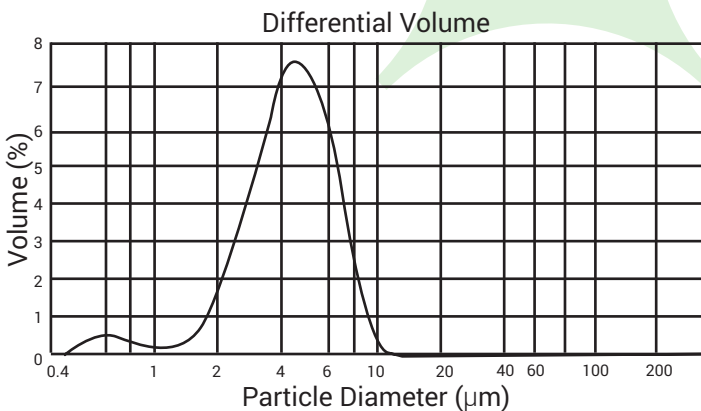
### Boron Carbide Hot Press Powder

#### Typical Chemistry

Boron Carbide ( $B_4C$ )	95.15 %
Total Boron (B)	77.30 %
Free Boron (B)	0.56 %
Boron Oxide ( $B_2O_3$ )	0.21 %
Compound Boron (B)	76.74 %
Total Carbon (C)	20.55 %
Free Carbon (C)	2.13 %
Iron Oxides ( $Fe_2O_3$ )	0.09 %
Silicon (Si)	0.11 %

#### Typical Sizing

> 0%	> 3%	> 50%	> 75%	> 94%
14.26 $\mu$ m	9.076 $\mu$ m	4.294 $\mu$ m	3.018 $\mu$ m	1.516 $\mu$ m



#### Description:

GNP Graystar's Boron Carbide Hot Press Powder is specifically milled to 10  $\mu$ m and finer with strict chemistry parameters for optimum performance.

- Available with or without a sintering aid.
- Granulated Powder available

#### Applications:

GNP Graystar's Boron Carbide Hot Press Powders are used for the production of various wear components, armor, blast nozzles, dressing sticks, etc.

[info@GNPGraystar.com](mailto:info@GNPGraystar.com)

Rev. 02/2020

#### Northern Office

37 John Glenn Dr.  
Amherst, NY 14228  
716.759.6600

[www.GNPGraystar.com](http://www.GNPGraystar.com)

#### Southern Office

9 Simmonsville Rd.  
Bluffton, SC 29910  
843.815.5600