

# Boron Carbide Powder



## Product Data

1000 grit:	0CON-024
600 grit:	0CON-025
400 grit:	0CON-026
320 grit:	0CON-027
240 grit:	0CON-028

## Product properties:

Product type	Boron Carbide Powder
Colour	Black
Odour	None
Relative density	3.95

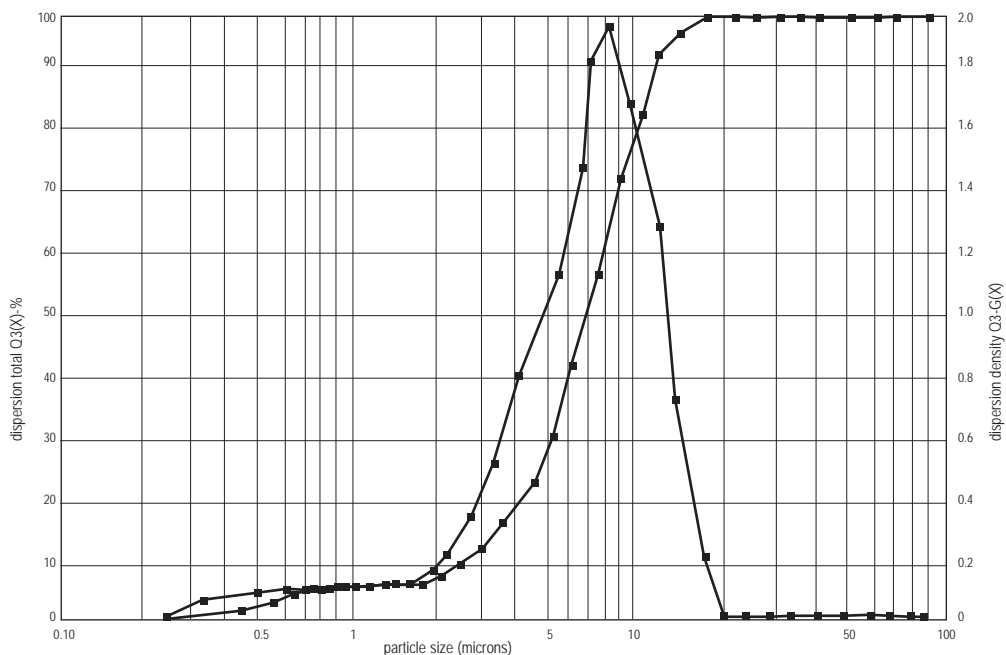
## Introduction:

These powders are manufactured for use in lapping operations where high precision finishes are specified on hard materials.

Manufacturing and quality control procedures used in the production of these powders ensure that the end product is exceptionally clean and closely sized.

Applications for the use of Boron Carbide include the processing of ceramic materials, very hard optical materials such as sapphire, heat treated alloys and very hard mineral sections.

## Particle size distribution - Sedigraph (for 1000 grit)



# Boron Carbide Powder

## Volume dispersion

X0/microns	Q3/	X0/microns	Q3/	X0/microns	Q3/	X3/microns	Q3/
0.45	1.31	1.85	6.75	7.50	56.08	30.50	100.00
0.55	1.85	2.15	7.86	9.00	71.44	36.50	100.00
0.65	2.35	2.50	9.35	10.50	62.91	43.50	100.00
0.75	2.80	3.00	11.94	12.50	92.53	51.50	100.00
0.90	3.43	3.75	16.87	15.00	98.14	61.50	100.00
1.10	4.19	4.50	23.12	18.00	100.00	73.50	100.00
1.30	4.90	5.25	30.60	21.50	100.00	87.50	100.00
1.55	5.74	6.25	41.76	25.00	100.00		

X3 = 14.49 microns  
X0 = 18.00 microns

X50 = 6.97 microns  
X10 = 11.97 microns

X94 = 1.63 microns  
X50 = 2.63 microns

Unit used for measurement: Helos (H0176)  
Measuring conditions: Standard mass  
Ultrasonic length of time: 30 seconds  
Ultrasonic break: 15 seconds  
Measurement range: R2: 0.25/0.45 ...87.5 microns  
Measurement length of time: 9.97 seconds  
Reference point measurement: 12.02 07:58:45, 0.00  
Analysis: LD (4.1.2.0)

## Ordering Data:

Code	Grit size	Pack size	Comments
0CON-024	1000	1 kg	A range of grit sizes, enabling hard materials to be processed from the initial roughing stage through to fine finishing.
0CON-025	600	1 kg	
0CON-026	400	1 kg	
0CON-027	320	1 kg	
0CON-028	240	1 kg	



Certificate No. FM 12025



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