

**BO 240 BO 250 BO 252**  
**Amorphous Boron Powder**

<b>BO 240 BO 250 BO 252</b>			
Formula	B		
Purity	99%	95-97%	90—92%
Particle size	~1 micron APS		

<b>Chemistry</b>			
<b>Element</b>	<b>BO 240</b>	<b>BO 250</b>	<b>BO 252</b>
Boron	99% min	95.26	90.87
Iron	<1000 ppm	-	-
Magnesium	<2000 ppm	0.29%	4.19%
Insoluble in H <sub>2</sub> O <sub>2</sub>	-	0.75%	0.70%
Boron soluble in H <sub>2</sub> O	-	0.19%	0.12%
Volatile Matter	-	0.06%	0.04%

<b>Average Particle Size</b>			
	<b>BO 240</b>	<b>BO 250</b>	<b>BO 252</b>
APS	3 microns	0.85 microns	0.83 microns



**BO 240** is used in alloys where a higher purity of amorphous boron is required, in semiconductors, magnets, metallurgical and aerospace industries.

**BO 250** is used for military pyrotechnics, rockets, flares, and countermeasures. It can be used in ceramic alloys, sputtering targets, and other R&D where the standard 90-92% is not pure enough.

**BO 252** is the standard grade of amorphous boron used in most applications. It is an igniter in vehicle air bags, military

pyrotechnics, flares, tracer rounds, in coatings as a hardening agent, in alloys and ceramic blends.

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Atlantic Equipment Engineers. For more information and assistance, please call (201) 384-5606.

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