ATLANTIC EQUIPMENT ENGINEERS
HIGH PURITY METALS & COMPOUNDS

BO 240 BO 250 BO 252
Amorphous Boron Powder

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

Chemistry			
Element	**BO 240**	**BO 250**	**BO 252**
Boron	99% min	95.26	90.87
Iron	<1000 ppm	-	-
Magnesium	<2000 ppm	0.29%	4.19%
Insoluble in H2O2	-	0.75%	0.70%
Boron soluble in H2O	-	0.19%	0.12%
Volatile Matter	-	0.06%	0.04%

Average Particle Size			
	BO 240	**BO 250**	**BO 252**
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.