



Boron amorphous type I, 95/97 %

Article number 45 8045

CAS-No. 7440-42-8

Typical Formula: B

Properties Form and Color: Fine reddish brown powder

Applications For use in airbags for passenger vehicles, solid fuels and slurries, ceramic formulations, explosives and rocket propellants. Boron is a strong neutron absorber and sometimes used for preparation of absorber materials. Boron is also used for welding, brazing, refractory and nanotechnology applications.

Characteristics Amorphous boron is a fine grey to brownish powder which oxidizes slowly at room temperature. Therefore it should be kept in completely filled air-tight containers. If mixed with oxidizing materials, it may be sensitive to heat and impact.

Typical Typical Chemical Analysis:

Appearance	Boron total		95-97 %
	Mg	max.	1.5 %
	Water soluble boron		0.5 %
	Insoluble in H ₂ O ₂	max.	1.0 %
	Moisture content	max.	0.5 %

Typical Physical Characteristics:

FSSS Particle size	0.7 µm
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Handling	The user must comply with all relevant safety regulations in force in the country of use. Store in a closed container. See our safety data sheet!
Packaging	Standard packaging includes plastic liner in airtight sealed fiber containers of 25-50 kg.
Transport classification	Boron amorphous is not a dangerous material according to transport regulations.

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