

Low Soda/Low Viscosity/Surface Treated Aluminum Hydroxide

Low soda aluminum hydroxide further improves electric characteristics and heat resistance therefore finding special use in electronic materials.

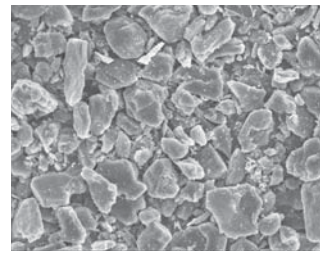
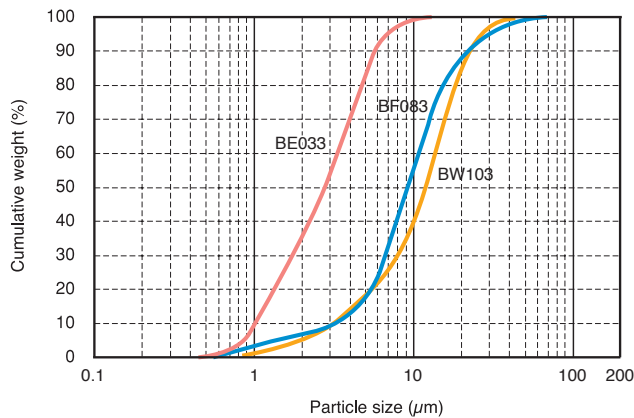
The BX series provides broad particle size distributions suitable for high loading. Surface treated products are also available for various applications.

Typical Properties (Low soda)

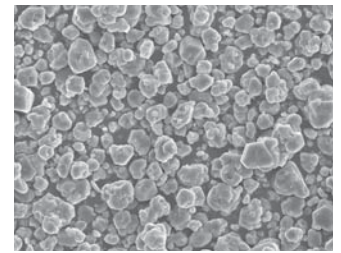
Grade	BW103	BF083	BE033
Moisture (%)	0.20	0.10	0.20
Na ₂ O (%)	0.03	0.08	0.02
f-Na ₂ O (%)	<0.01	<0.01	<0.01
SiO ₂ (%)	0.01	0.01	0.01
Fe ₂ O ₃ (%)	0.01	0.01	0.01
Al(OH) ₃ (%)	99.8	99.9	99.9
Ave. Particle Size (μm)	10	10	3
Oil Absorption (mℓ/100g)	35	32	35
Electric Conductivity (mS/m)	5	3	2

* Other particle sizes are available for BE grades

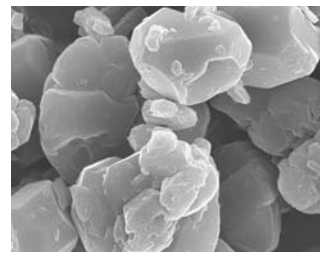
Particle Size Distribution



BW103



BF083



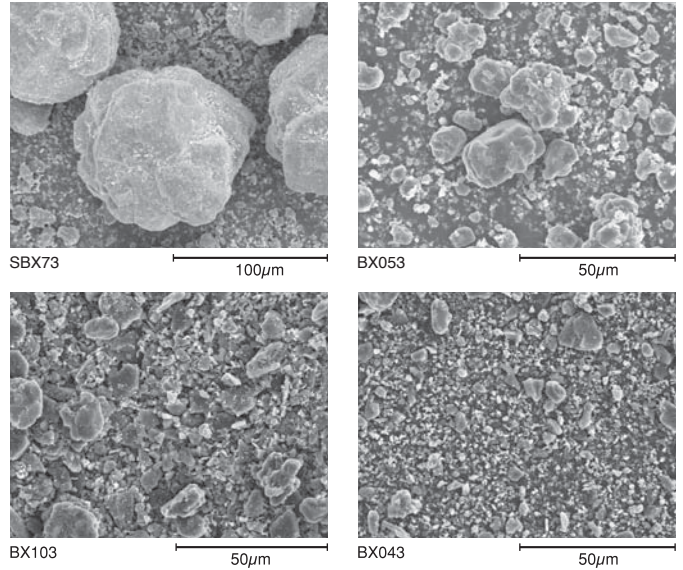
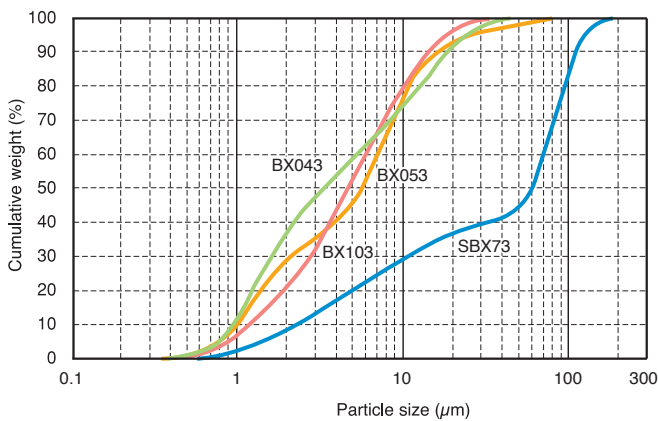
BE033

5μm

Typical Properties (Low viscosity)

Grade	SBX73	BX053	BX103	BX043
Moisture (%)	0.15	0.20	0.20	0.26
Na ₂ O (%)	0.22	0.16	0.32	0.23
f-Na ₂ O (%)	0.03	0.01	0.05	0.02
SiO ₂ (%)	0.01	0.02	0.01	0.01
Fe ₂ O ₃ (%)	0.01	0.01	0.01	0.01
Al(OH) ₃ (%)	99.7	99.8	99.7	99.8
Ave. Particle Size (μm)	61	6	5	3
Oil Absorption (mℓ/100g)	19	29	32	33

Particle Size Distribution



Surface Treated Aluminum Hydroxide

Special surface treatment further enhances the properties of aluminum hydroxide improving its processability. We provide various grades that promote mechanical strength, high loading and high electric resistance providing extra added-value in demanding fields of application.

- Products treated with Silane coupling agents (ST Series)
This type improves mechanical strength and resistance to chemicals, water and heat by increasing affinity to resins.
- Products treated with Stearic Acid (S Series)
This type improves dispersion in resins with its hydrophobicity.
- Products treated with Titanate coupling agents (T Series)
This type improves the dispersion properties thereby increasing the flexibility of molded resins.

Applications

- (1) Fillers for unsaturated polyester, epoxy, acrylic, silicone, phenol or melamine resins
- (2) Fillers for polyolefin or PVC
- (3) Fillers for rubbers or latex compounds
- (4) Flame retardant paper, coated paper, fillers for paper

Packing

Bulk
Flexible container bag (500kg and 1000kg)
Paper bag (20kg or 25kg)