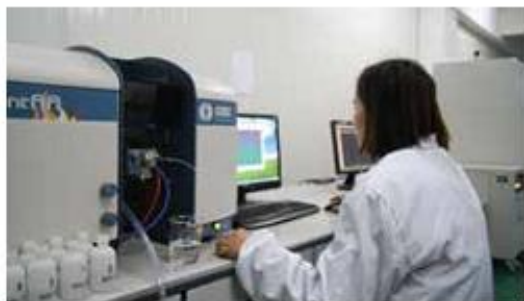
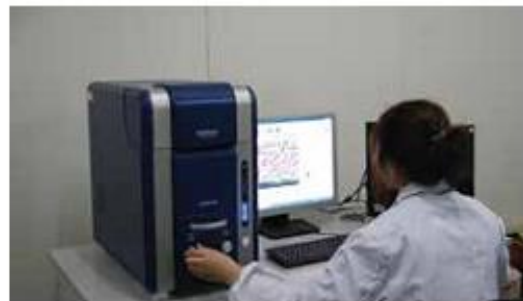


Product Databook

BG Series for Battery Separator Coating

Company Profiles



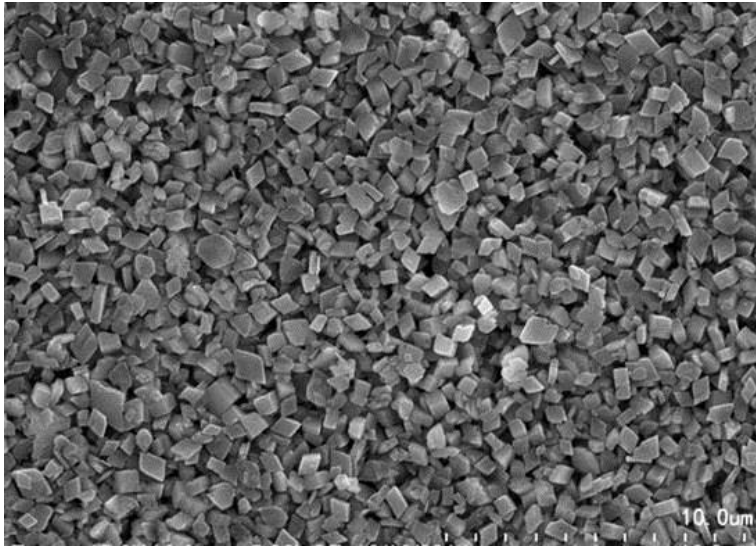
Founded in 2006, Anhui Estone Material Technology Co., Ltd. Has grown into a leading manufacturer of functional fillers for electronic materials and advanced composite materials. The company has passed ISO9001, ISO14001, OHSAS 18001, IATF16949 management system certification. Estone main products: Boehmite(AlOOH), Crystalline Silica Powder, Fused Silica, Spherical Alumina, Roundish Alumina, Porous Lightweight Silica, ATH, MDH, and *etc*.

Our products are widely used in consumer electronics, commercial server, flame retardant materials, advanced composite materials, water-based paint, newenergy vehicles, high-speed train, aerospace, EMC, CCL, lithium battery separator, thermal interface materials and other fields.

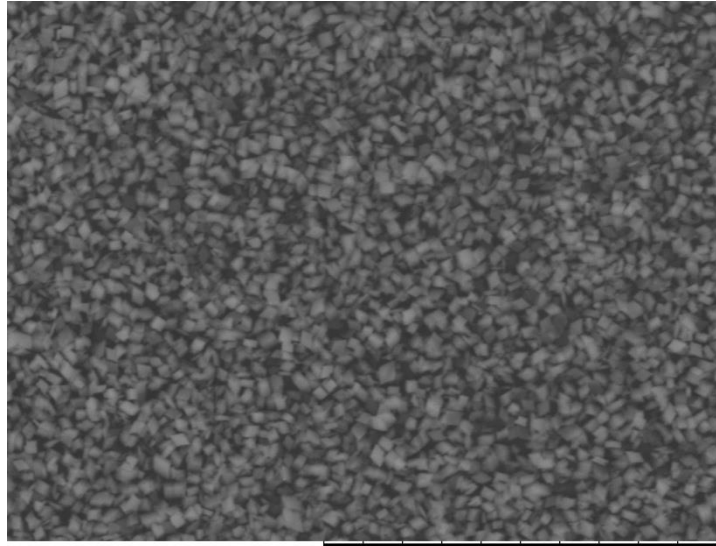
Boehmite(AlOOH) BG series

Features:

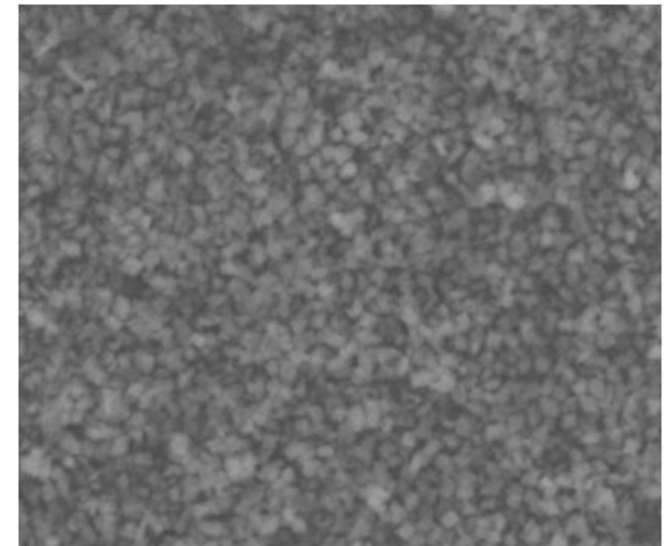
1. High reliability, stable to temperatures exceeding to 400°C .
2. Boehmite content $\geq 99.5\%$, low iron impurity.
3. Significantly less prone to moisture pick-up than alpha alumina.
4. Accurate PSD control, with every narrow particle size distribution, big particles have been removed from special upper cut processes developed by Estone.



BG-613



BG-611



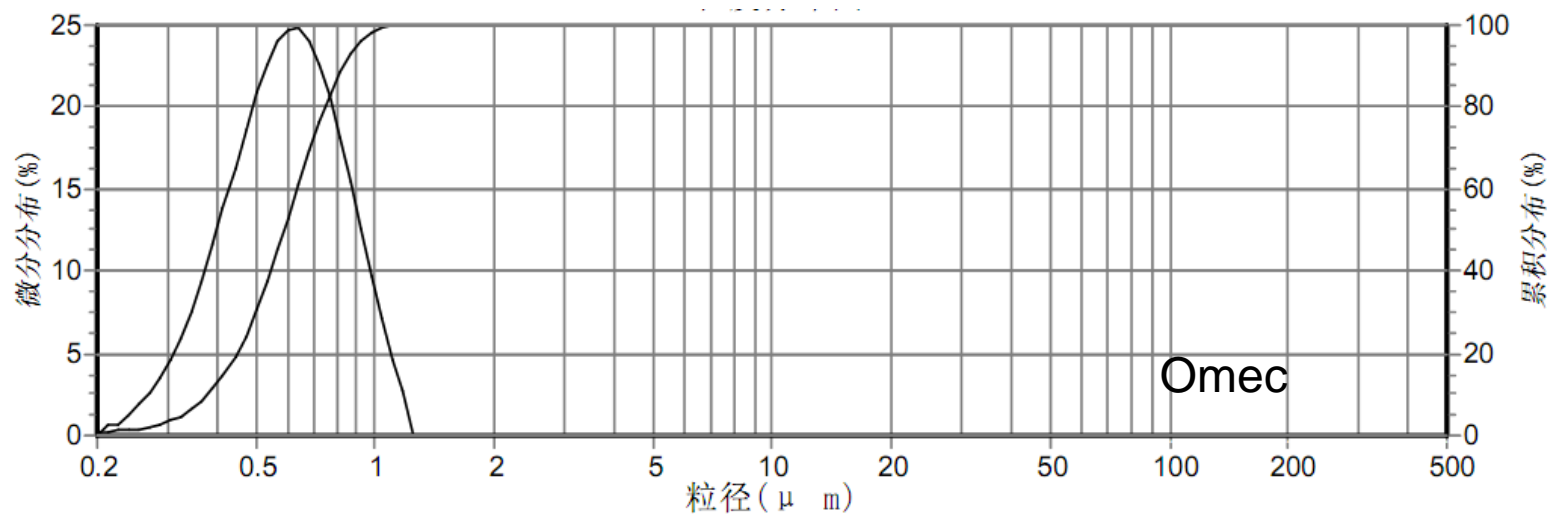
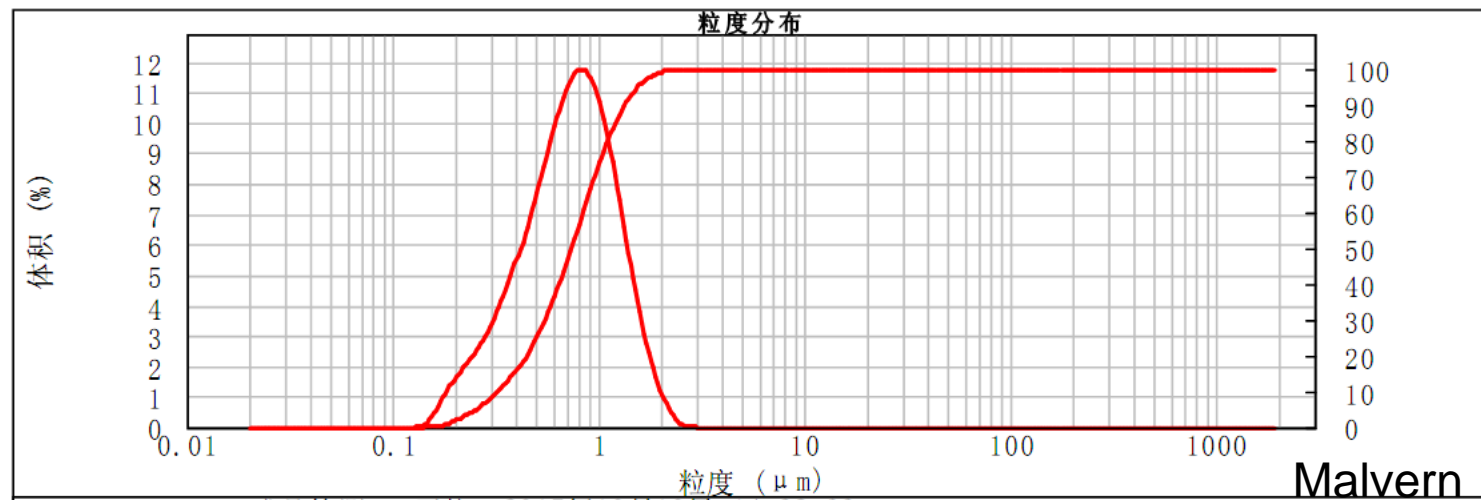
BG-601

Boehmite(AlOOH) BG series

Spec.		Unit	BG-613	BG-611	BG-601
Purity	AlOOH	%	≥ 99.9	≥ 99.9	≥ 99.9
Mean Particle Size(D50)		μm	1.0~2.5	0.5~1.4	0.4~0.9
Mean Particle Size(D90)		μm	≤ 5.0	≤ 3.0	≤ 1.8
BET Specific Surface Area		m^2/g	2.0~6.0	4.0~9.0	9.0~16.0
Impurity	Ca	ppm	≤ 500	≤ 500	≤ 500
	Fe	ppm	≤ 50	≤ 50	≤ 50
	Cu	ppm	≤ 5	≤ 5	≤ 5
	Na	ppm	≤ 500	≤ 500	≤ 500
pH Value		-	7.0~10.0	7.0~10.0	7.0~10.0
Moisture Content		ppm	≤ 3500	≤ 3500	≤ 3500
+200 μm Magnetic Foreign Matter		unit	0	0	0

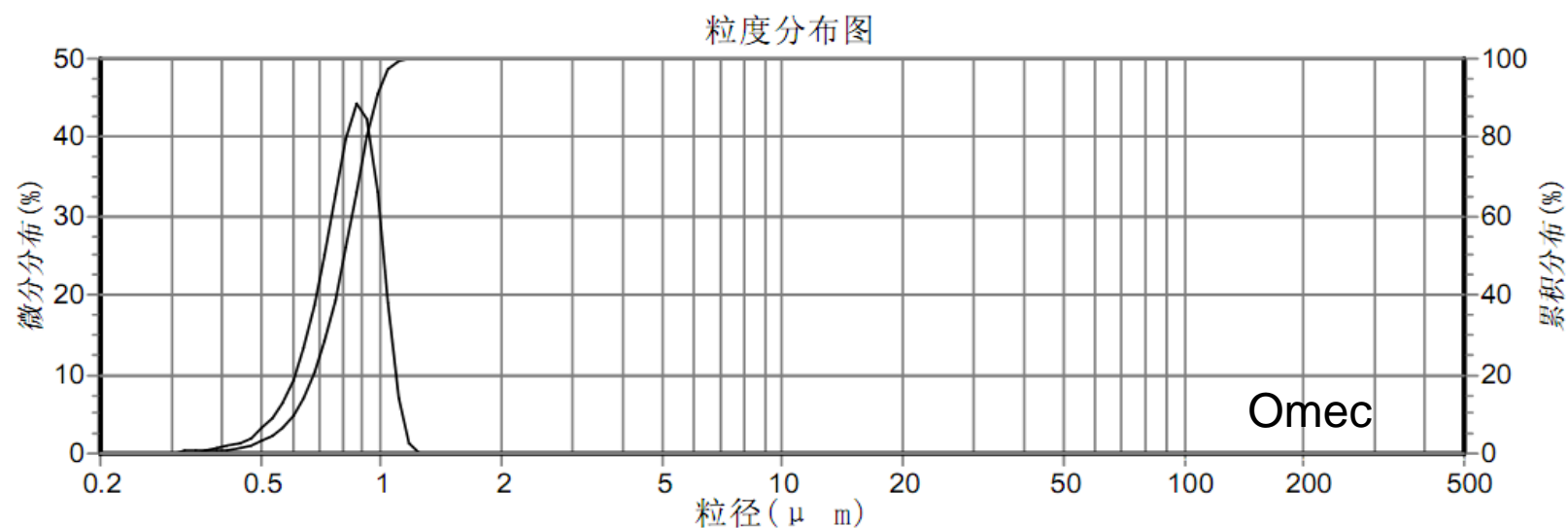
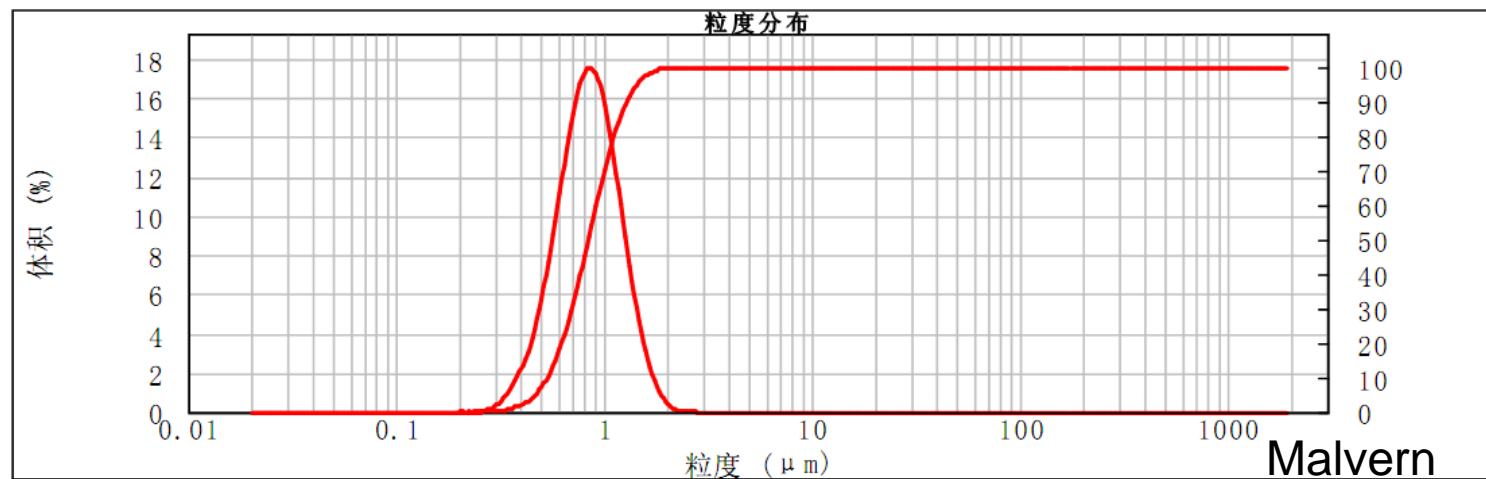
Boehmite(AlOOH) BG series

Particle Size Distribution of BG-601



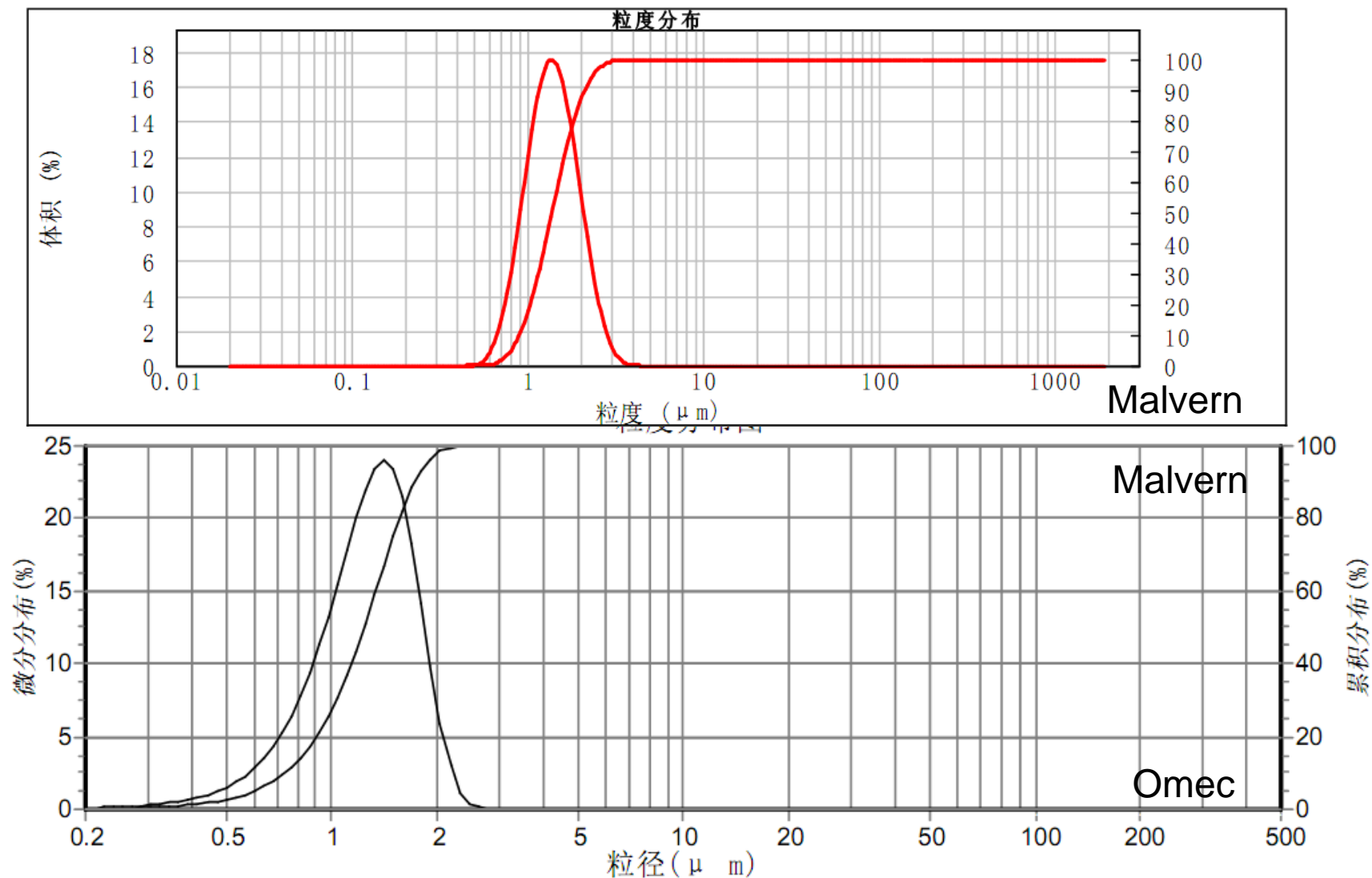
Boehmite(AlOOH) BG series

Particle Size Distribution of BG-611



Boehmite(AlOOH) BG series

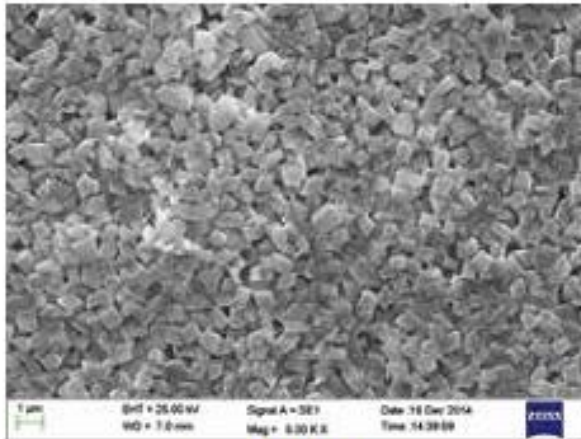
Particle Size Distribution of BG-613



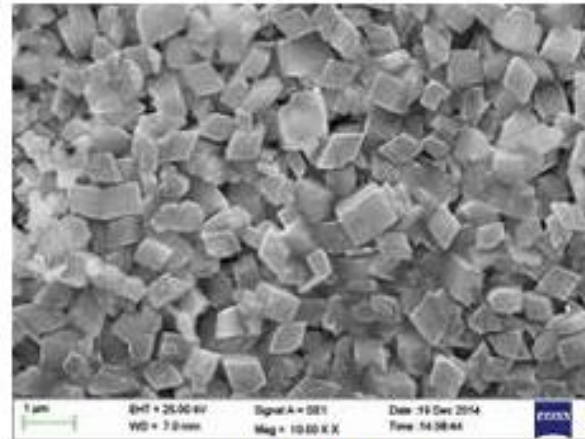
Boehmite(AlOOH) BG series



SEM of Coating Layer



Coating with BG-611



Coating with BG-611

High
purity

High
reliability

Ultrathin

BOEHMITE

PP/PE

Possible coating thickness:

BG-601: 2.0-3.0 μm

BG-611: 3.0-4.0 μm

BG-613: 4.0-6.0 μm



- ◆ **Creating a More Sustainable Future with Estone.**
- ◆ **Renewable energy are the key to sustainable growth .**
- ◆ **At Estone, we are positioned to drive the next wave of innovation in the Global Renewable Industry.**