

Micro balloon

About Micro balloon

Hollow, lightweight filler is a hollow inorganic material that is formed by pulverizing volcanic glass, adjusting the particle to an appropriate size and heating in our own sintering furnace to control the bubble formation.

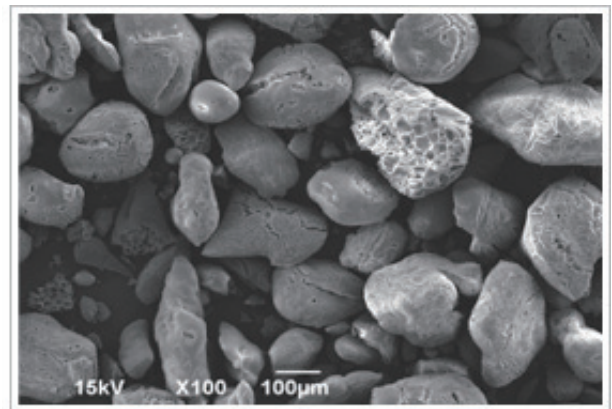
Features

Not a by-product, so the supply is stable
Bubble formation is suppressed, improving strength
Shape is spherical, providing excellent flowability
Since it is an inorganic material, has superior durability and resistance to chemicals

Product table (typical values)

Product name		XC-370
Chemical composition (%)	Ig.loss	0.96
	SiO ₂	77.34
	Al ₂ O ₃	12.06
	Fe ₂ O ₃	1.77
	MgO	0.07
	CaO	1.17
	Na ₂ O	3.28
Grain distribution (%)	+300μm	9
	300~200μm	35
	200~100μm	39
	100~45μm	7
	~45μm	10
Physical property	Bulk specific gravity (loose)	0.29
	(tap)	0.34
	Floating ratio (%)	87.1

Electron micrograph



XC-370 (x100)

Applications

- Additive for coatings, adhesives, putty and sealants to reduce weight and improve dimensional stability, heat resistance and flowability.
- An alternative to expensive glass balloons to reduce costs.
- An alternative to the unreliable supply of fly-ash balloons
- Used as an inorganic, lightweight filler for applications that require high strength
- Adhesives, paints, sealing materials, secondary concrete products, building materials

Delivery formats

- flexible containers
- Paper bags