

SHOBN™ UHP SERIES

Typical properties of common grades

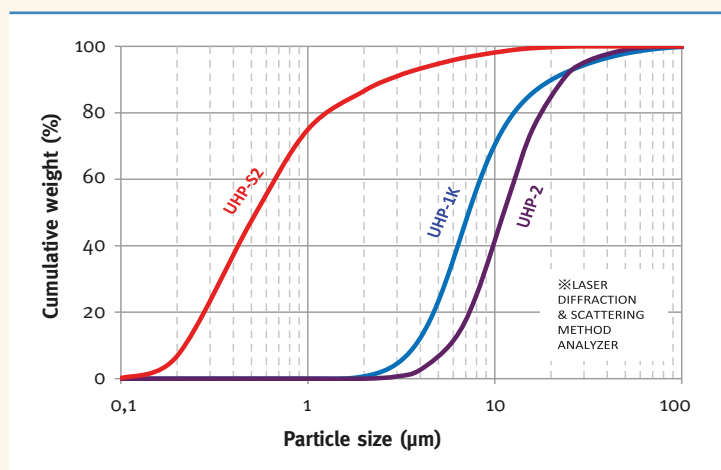
Shape	Platelet			Agglomerate		
	UHP-S2	UHP-1K	UHP-2	UHP-G1H		
Chemical Composition	B ₂ O ₃	%	0.04	0.03	0.04	0.04
	CaO	%	0.01	0.01	0.02	0.01
	C	%	0.02	0.02	0.02	0.01
	BN	%	99.9	99.9	99.9	99.9
Mean Particle Size (d ₅₀) ^{※1}	μm	0.7	8	11	33	
BET Specific Surface Area	m ² /g	8-12	3-5	3-5	3-5	
Bulk Density (Vibration)	g/cm ³	0.25	0.22	0.30	0.6	

※1 Loss On Ignition,

※The data shown above are representative figures.

They are not guaranteed values.

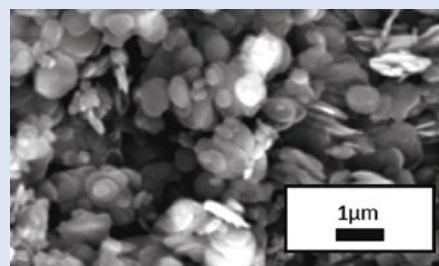
Particle size distribution: Platelet Type



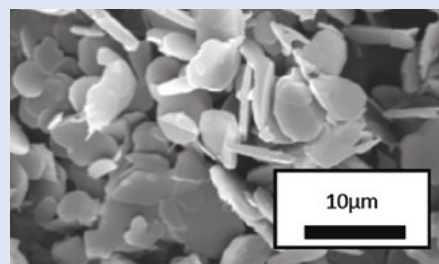
Features and Advantages

- SHOBN™, our UHP Series, offers superior thermal conductivity, high thermal stability, corrosion resistance, and strong electrical characteristics (i. e. high electrical insulation, low dielectric constant).
- SHOBN™ has two different particle types, Platelet type and Agglomerated type.
- UHP-G1H, our newest product, has high hardness and high purity agglomerates.
- SHOBN™ UHP is suitable for applications which require lubricity and mold-release efficiency.

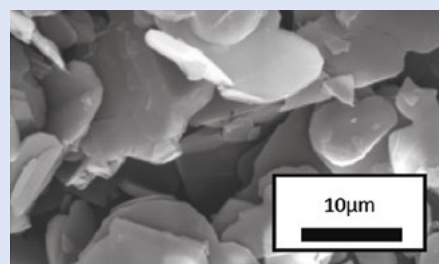
SEM images



UHP-S2



UHP-1K



UHP-2