

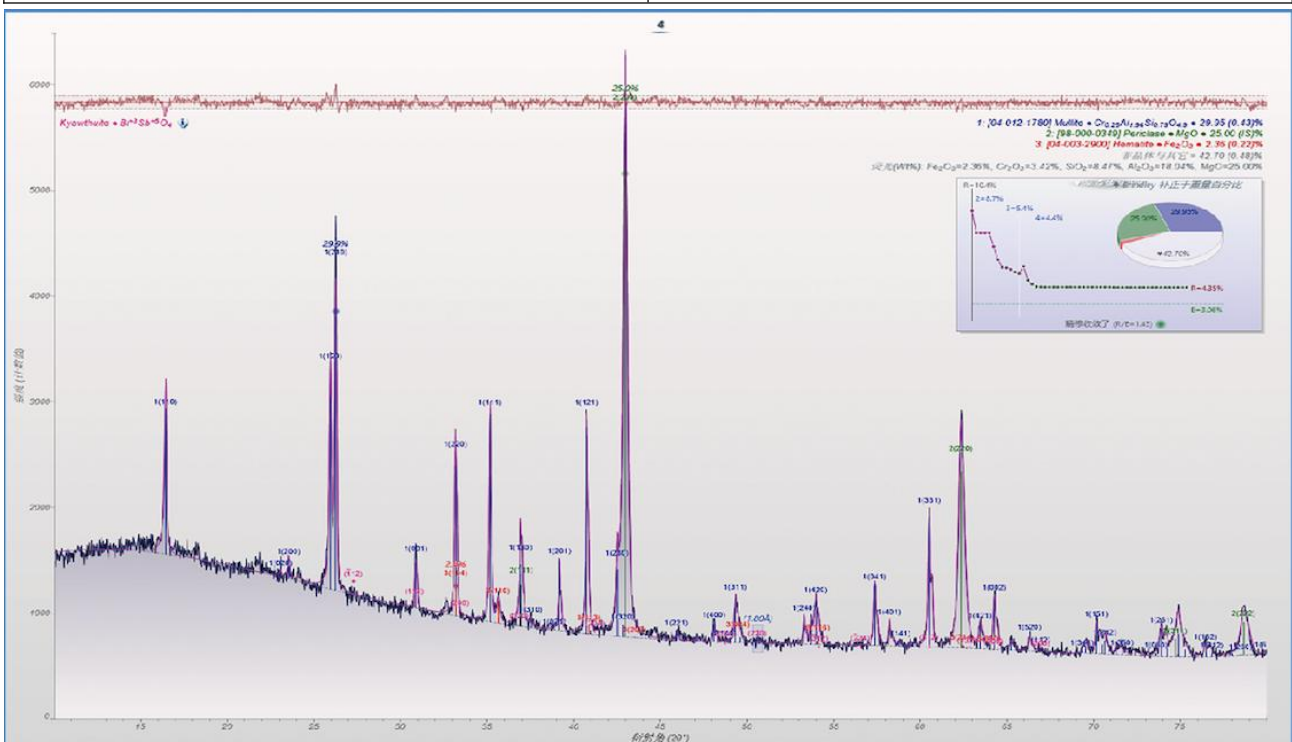
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SINTERED MULLITE	Created:	August 9, 2024
	Revised:	October 17, 2024

Material information

Generic Name: Mullite M55
Manufacturer: SEPPE Technologies

Al2O3	SiO2	Fe2O3	TiO2	CaO	MgO	K2O	Na2O
55.81%	34.8%	4.57%	2.74%	0.708%	0.276%	0.44%	0.298%

TYPICAL PHYSICAL PROPERTIES	
Color	Grey, Dark Grey
Appearance	Block, Grit, Powder
Bulk Density	2.6 g/cm ³
Water Absorption	0.48
Apparent Porosity	1.24



	1450°C	Resintered 1500°C after 1400°C
Linear change	0.14	-0.08



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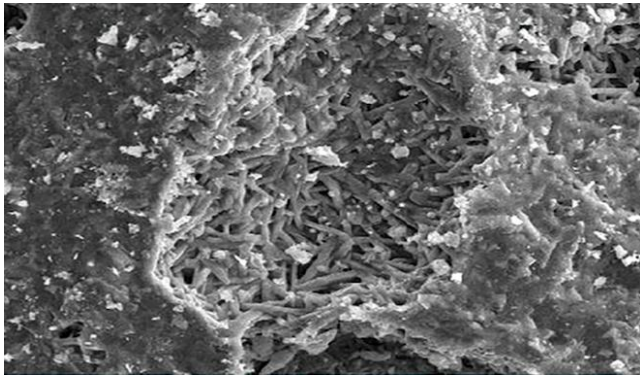
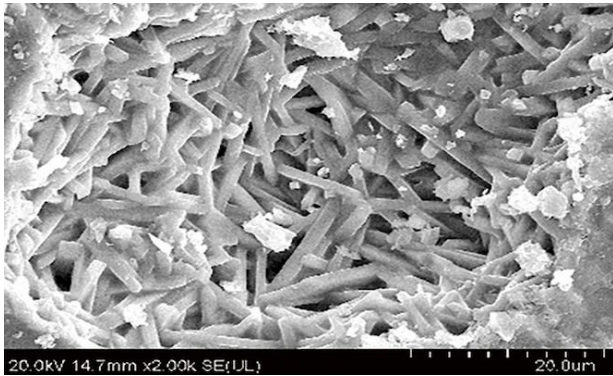
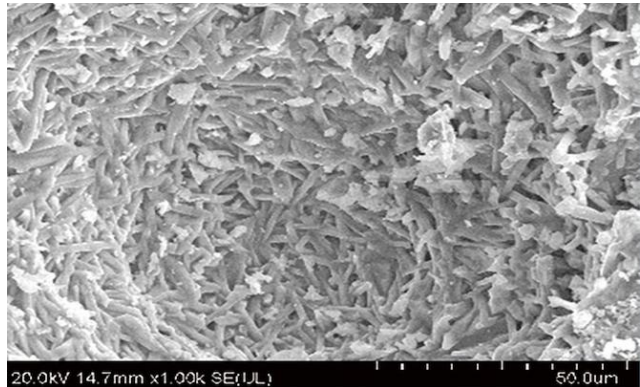
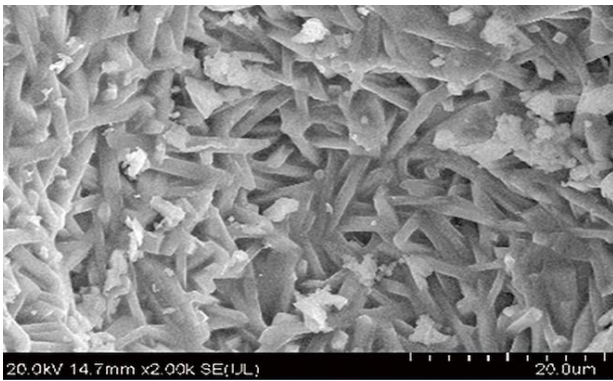
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Characteristics of M55 Structural composition

Include well-developed long columnar mullite, forming an interlocking network structure and the dense structure composed of mullite and high silica glass phases

Fe₂O₃ exists in three forms:

- I. It dissolves in mullite to form mullite solid solution;
- II. It forms a liquid phase and disperses in the high silica glass phase;
- III. A small portion exists in the form of iron oxide crystals



Package

Big Jumbo Bag.

Storage conditions

Store under dry conditions.

Common Sizes

0-1mm, 1-3mm, 3-5mm, 5-8mm, Mesh 200



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