

PRELIMINARY DATA SHEET

Metakaolin EcoPozz-P

Metakaolin **EcoPozz-P** is a fine powder Metakaolin with a great reactive surface area. Its mean particle size is 3 μm . Containing 10% of particles in the nano-size range, **EcoPozz-P** can lend the unique properties of nano-fillers to their application. It is commonly used in various thermoset resins as a functional filler, able to partially react with the resin, thereby enhancing its physical properties and allowing it to stay in suspension. Addition of Metakaolin **EcoPozz-P** improves stiffness, durability, thermal resistance and surface hardness in the finished product. Incorporation of Metakaolin **EcoPozz-P** allows for higher filler contents than conventional fillers, thereby unlocking greater cost-saving potential of the finished product.

TYPICAL VALUES AND ANALYSIS

Chemical composition:

SiO ₂	55.8%
Al ₂ O ₃	44.7%
K ₂ O	0.12%
TiO ₂	1.3%
Fe ₃ O ₂	0.4%

Physical analysis:

Colour	Off-white
Whiteness	70%
Aerated powder density	690kg/m ³
Tapped powder density	850kg/m ³
Mean particle size	d50 = 3 μm (top cut: d90 = 7 μm) d10 = 250nm
Moisture content	<1%

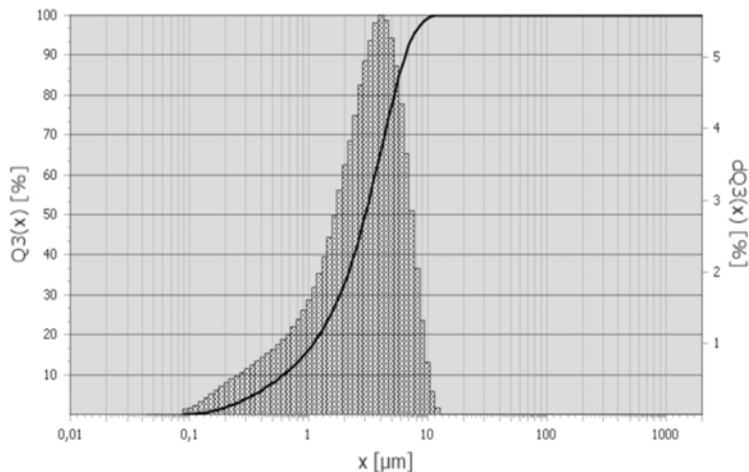
CAS Numbers and description

92704-41-1	Kaolin, calcinated >55%
14808-60-7	Quartz (SiO ₂) <20%

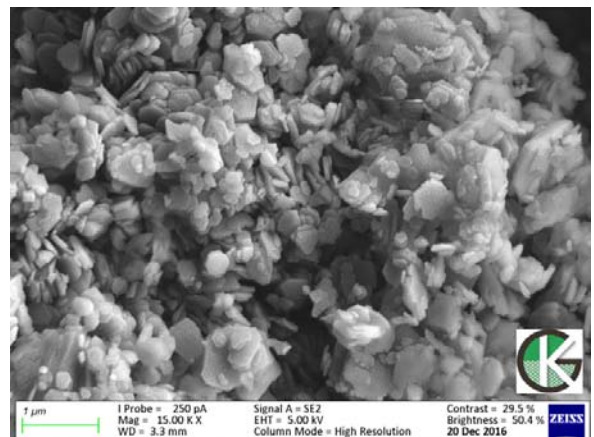
HS Code: 2507

Kaolin and other kaolinic clays, whether or not calcined

Particle size distribution:



SEM particle image



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