

PRODUCT CARD

CHALCEDONITE POWDER M5

Chalcedonite flour produced from chalcedonite rock, a variety of cryptocrystalline silica, is obtained by grinding selected natural raw material free of iron compound contaminants.

Applications

- Filler for plastics, resins, and paints
- Pozzolanic additive improving the strength of concrete
- Additive for concrete eliminating alkali corrosion

Special notes

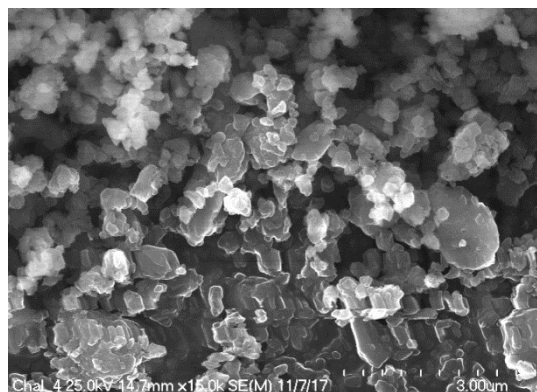
- The product is available in naturally moist form (4-8%).

Packaging

Big bag

Kontakt:

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Chemical composition by weight %	
SiO ₂	>97
Al ₂ O ₃	<2,2
Fe ₂ O ₃	<0,2
CaO	<0,1
MgO	<0,1
K ₂ O	<0,3
Na ₂ O	<0,1
TiO ₂	<0,1

BET physical parameters		
S _{BET} (m ² /g)	V _{porów} (cm ³ /g)	r _{porów} (nm)
18,1	0,051	0,97

S_{BET} – surface area calculated based on the BET equation

V_{porów} – total pore volume

r_{porów} – average pore radius

Physical Parameters	
True Density	2,60 g/cm ³
Bulk density	0,37 – 0,43 g/cm ³
Tapped density	0,45 – 0,51 g/cm ³
Loss on Ignition (LOI, 1h at 950°C)	1,8 %
Refractoriness, standard PN-EN 993-12sP	173 (1730°C)
Granulation D-95	≤ 5 µm
Granulation D-50	≤ 2 µm
Optical properties L/a/b	91,29/0,57/3,45
Oil absorption	45 g/100 g
Water absorption	35 g/100 g