

AGGREGATE INDUSTRIES

Specialist silica sands

Garside Sands No.21 sand



A dried silica sand.

Applications

- Synthetic sports pitches
- Fillers
- Brick manufacture
- Pet care products.

Sectors

- Sports and leisure
- Fillers and flooring
- Industrial and manufacturing.
- Pet care.

Available in

- Loose: both bulk pressurised tankers and tipplers
- Bulk bags (tote)
- 25kg and 12.5kg poly bags.

Mechanical analysis

Sieve size (mm)	Specification (% Passing)
1.00	100
0.71	95 - 100
0.50	40 - 90
0.355	5 - 30
0.25	0 - 10
0.18	0 - 5

Colour	Yellow
Specific gravity	2.65
Uncompacted bulk density	1.52 t/m ³
Nominal effective size	0.25 - 0.39mm
Uniformity coefficient	<1.7mm
pH	7.5

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Size range:	0.71 - 0.25mm
Source:	Leighton Buzzard, Bedfordshire
Geology:	Lower Greensand of the Cretaceous period
Composition:	Quartz
Grain shape:	Sub angular to rounded



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Manufacturing standard

All aggregate Industries products are manufactured in accordance with ISO 9001 with factory compliance to ISO 14001.

Chemical analysis

Chemical analysis		%
Silica	SiO ₂	97.31
Alumina	Al ₂ O ₃	0.31
Titania	TiO ₂	0.04
Iron	FE ₂ O ₃	1.71
Magnesium	MgO	0.03
Calcium	CaO	0.03
Sodium	Na ₂ O	0.02
Potassium	K ₂ O	0.07
Phosphate	P ₂ O ₅	<0.01
Chromium	Cr ₂ O ₃	0.0004
Manganese	MnO ₂	<0.005
Loss on ignition @ 1000°C	L on I	0.26

The above figures only relate to one specific test.

Sustainability and local sourcing

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

Recyclable: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

Manufacturing location: produced in the UK, with locally sourced materials under strict environmental and social legislation.

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global.

Products are assed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

COSHH data

Full COSHH data on Garside Sands products is available on request. Please call the Technical helpline on 01525 237911.

Technical support

Detailed guidance and assistance with the preparation of specification and use of Garside Sands products is available through the sales offices. A free technical service is also available.

Please call Garside Sands Technical Services on 01525 237911

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