

# AGGREGATE INDUSTRIES

Specialist silica sands

## Garside Sands 10/18 sand



A dried silica sand to the requirements of BSEN 12904 (see standards tables).

### Applications

- Water filtration
- Traction sand.

### Sectors

- Water filtration
- Transport.

### Available in

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

### Mechanical analysis

Sieve size (mm)	Specification (% Passing)
2.00	100
1.70	95 - 100
1.40	50 - 95
1.18	10 - 60
1.00	0 - 30
0.85	0 - 5
0.71	0 - 1

Colour	Brown
Specific gravity	2.65
Uncompacted bulk density	1.56 t/m <sup>3</sup>
Nominal effective size	0.9 - 1.18mm
Uniformity coefficient	<1.4mm

### Garside 10/18 sand

Size range:	1.70 – 0.85mm
Source:	Leighton Buzzard, Bedfordshire
Geology:	Lower Greensand of the Cretaceous period
Composition:	Quartz
Grain shape:	Sub angular to rounded



# Garside Sands 10/18 sand

## 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 <sub>2</sub>	97.32
Alumina	Al <sub>2</sub> O <sub>3</sub>	0.2
Titania	TiO <sub>2</sub>	0.023
Iron	FE <sub>2</sub> O <sub>3</sub>	2.14
Magnesium	MgO	0.03
Calcium	CaO	0.015
Sodium	Na <sub>2</sub> O	0.01
Potassium	K <sub>2</sub> O	0.02
Phosphate	P <sub>2</sub> O <sub>5</sub>	<0.01
Chromium	Cr <sub>2</sub> O <sub>3</sub>	0.0003
Manganese	MnO <sub>2</sub>	0.012
Loss on ignition @ 1000°C	L on I	0.05

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](http://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**

Garside Sands, Eastern Way, Heath & Reach,  
Leighton Buzzard, Bedfordshire, LU7 9LF

Tel: 01525 237911

Fax: 01525 237991

[www.aggregate.com](http://www.aggregate.com)



The information contained within this publication was accurate at time of production. However, Aggregate Industries reserves the right to introduce modifications or changes to detail at any time without notice. No charge is levied for this publication or advice therein, and accordingly the company, its employees and authorised agents can accept no liability whatsoever, either indirectly or directly arising from the use of its products in connection with any information or advice contained in this guide.