

# Product Specification

## Play Sand



Clean, Safe Children's Play Sand

**Description: 0.15 – 0.75mm play sand.**

Main use = indoor/outdoor children's play areas. The sand shall be clean, washed and hydrosized to remove the majority of fines, silts and clay particles. The sand will be from a natural uncrushed source with sub-angular to sub-rounded grains free of any friable or agglomerated grains.

The sand will be resistant to degradation during normal handling, placing and commissioning works.

### Product Data

Product	Sand mm	Bag Kg	No. Per Pallet	Pallet Weight Kg
Play Sand	0.15 - 0.75mm	20kg	60	1200

### Mechanical Analysis

Sieve Size	% Passing	Typical Grading
1	95-100	98
0.85	90-100	97
0.50	80-100	89
0.30	40-80	60
0.25	10-20	15
0.18	0-10	2
0.125	0-1	0.2
0.063	0-0.5	0.1

<b>Silica Content</b>	>90%
<b>Effective Size</b>	D 10 = 0.22mm (+/- 5%)
<b>Uniformity Co-efficient</b>	< 0 <sub>r</sub> = 2.00
<b>Bulk Density Moist (Loose)</b>	1500 kg / m <sup>3</sup>
<b>Bulk Density Moist (Compacted)</b>	1650 kg / m <sup>3</sup>
<b>Moisture Content</b>	4 – 8% w/w
<b>Silt/Clay Content</b>	< 0.5% w/w

### Chemical Analysis

		%
<b>Silica</b>	<b>SiO<sub>2</sub></b>	90.90
<b>Alumina</b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	4.19
<b>Titania</b>	<b>TiO<sub>2</sub></b>	0.194
<b>Iron</b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	1.383
<b>Magnesium</b>	<b>MgO</b>	0.34
<b>Calcium</b>	<b>CaO</b>	0.35
<b>Sodium</b>	<b>Na<sub>2</sub>O</b>	0.72
<b>Potassium</b>	<b>K<sub>2</sub>O</b>	1.54
<b>Manganese</b>	<b>Mn<sub>2</sub>O<sub>4</sub></b>	0.0236
<b>Chromium</b>	<b>Cr<sub>2</sub>O<sub>3</sub></b>	0.0035
<b>Loss on Ignition</b>	<b>L on I</b>	0.83



Quality Systems	European Standards - Barleystone are BS ENISO9001-2008 registered
Constituents	Clean washed sand
Complies to	EN 71-3:2013 + A1:2014 Safety of Toys
Packaging	20kg Polythene Bag