

TECHNICAL INFORMATION

Swelltight Bentonite Granules

Typical analysis:-

SiO ₂	65.3%
Al ₂ O ₃	11.7%
Fe ₂ O ₃	6.36%
TiO ₂	0.63%
CaO	1.01%
MgO	3.35%
K ₂ O	1.70%
Na ₂ O	4.90%
LOSS ON IGNITION	5.7%

Composition (by xrd analysis)

Montmorillonite clay	major (ca. 65%)
Calcite	some
Feldspar	minor
Alpha quartz	minor

Particle size, density & colour

Passing 6mm	97%
Passing 4.75mm	80%
Passing 1.0mm	6%
Passing 0.5mm	1%
Bulk density	1.05-1.10 g / ml
Specific gravity	2.2-2.5 g / ml
Colour	light grey

Typical performances characteristics

Free swelling volume	> 500% (after 48 hrs)
Contained swelling volume	> 50% (after 48 hours)
Settling velocity	15 (cm / sec)
Swelling onset	15 (minutes)

Specifications / swelltight granules / standard 12 / 06

www.stuartwells.co.uk

Registered Office: Stuart House, Crows Hall lane, Attleborough, Norwich NR 17 1 AD
Telephone: 01953454540 Fax: 01953451451

Due to Stuart Well Services on-going policy of continued development and improvement, we reserve the right to modify products and services without prior notice