

# CARBOTOTE

Kaolin-based porous granules ready to be infused and/or coated with fertilizer or chemicals

## Features and Benefits

- Wide range of uniform sizes and shapes
- Narrow or broad particle size distribution
- Consistent ceramic technology with engineered porosity
- Strength control to your specifications
- Wide range of coating chemistry and thickness



## Physical properties

### Typical sieve analysis (weight % retained)

U.S. Mesh (mesh)	Microns	CARBOTOTE 65 12/16	CARBOTOTE 100 12/16	CARBOTOTE ULT 16/20
-12+14 mesh	-1700+1400	0	0	0
-14+16 mesh	-1400+1180	34	21	0
-16+18 mesh	-1180+1000	64	71	4
-18+20 mesh	-1000+850	2	7	73
Median - D50 (mm)		1.41	1.35	1.07
SGN		141	136	107

### Chemical composition (weight %)

Al <sub>2</sub> O <sub>3</sub>	44-53
SiO <sub>2</sub>	45-53
TiO <sub>2</sub>	1-2
Fe <sub>2</sub> O <sub>3</sub>	1-4

**Sizing requirements:** A minimum of 90% of the tested sample should fall between the designated sieve sizes. These specifications meet the recommended practices as detailed in API RP 19C.

Typical additional properties	CARBOTOTE 65	CARBOTOTE 100	CARBOTOTE ULT
<b>Composition</b>	Kaolin	Kaolin	Calcined Kaolin
Uniformity index (DS/D90X100)	84	78	82
Particle count (mm/lb)	0.22	0.27	0.33
Bulk density (lb/ft <sup>3</sup> ) (g/cm <sup>3</sup> )	49.8 0.80	45.8 0.73	48.7 0.78
Liquid holding capacity (wt%)	24.5	27.4	11.3
Specific surface area	15.7	11.8	2.7
Attrition resistance, wt% not abraded (IFDC S-116)	86.5	97.4	99.8

Talk to CARBO to find out how we can improve your end-product quality and reduce operating costs.

[carboindustrial.com](http://carboindustrial.com)

**CARBO**

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