

## Technical Data sheet - GS612

### ACTIVATED CARBON

GS612 is a granular activated carbon produced by steam activation of select grades of charcoal. As a result of a unique patented activation process and stringent quality control, GS612 offers excellent adsorption properties.

#### GS612VR

Product code	Particle size distribution		Apparent density	Moisture content	CTC activity	Iodine value	Ash content	Ball pan hardness	PH value
ASTM	D 2862		D 2854	D 2867	D 3467	D 4607	D 2866	D 3802	D 3838
Unit	%		gm/cc	%	%	mg/g	%	%	Range
	+6	- 12							
GS612VR45	5.0	5.0	500 - 570	4.0	45.0	950.0	3.0	99.0 min	8.5 - 10.5
GS612VR50			500 - 570	4.0	50.0	1000.0	3.0	98.0 min	8.5 - 10.5
GS612VR55			500 - 570	4.0	55.0	1050.0	3.0	98.0 min	8.5 - 10.5
GS612VR60			500 - 570	4.0	60.0	1100.0	3.0	98.0 min	8.5 - 10.5
GS612VR65			440 - 530	4.0	65.0	1150.0	3.0	98.0 min	8.5 - 10.5
GS612VR70			440 - 530	4.0	70.0	1200.0	3.0	97.0 min	8.5 - 10.5
GS612VR75			420 - 470	4.0	75.0	1250.0	3.0	96.0 min	8.5 - 10.5
GS612VR80			420 - 470	4.0	80.0	1300.0	3.0	96.0 min	8.5 - 10.5

VR: virgin carbon

#### GS612AW

Product code	Particle size distribution		Apparent density	Moisture content	CTC activity	Iodine value	Ash content	Ball pan hardness	PH value
ASTM	D 2862		D 2854	D 2867	D 3467	D 4607	D 2866	D 3802	D 3838
Unit	%		gm/cc	%	%	mg/g	%	%	Range
	+6	- 12							
GS612AW45	5.0	5.0	500 - 570	4.0	45.0	950.0	1.0	99.0 min	6 - 8
GS612AW50			500 - 570	4.0	50.0	1000.0	1.0	98.0 min	6 - 8
GS612AW55			500 - 570	4.0	55.0	1050.0	1.0	98.0 min	6 - 8
GS612AW60			500 - 570	4.0	60.0	1100.0	1.0	98.0 min	6 - 8
GS612AW65			440 - 530	4.0	65.0	1150.0	1.0	98.0 min	6 - 8
GS612AW70			440 - 530	4.0	70.0	1200.0	1.0	97.0 min	6 - 8
GS612AW75			420 - 470	4.0	75.0	1250.0	1.0	96.0 min	6 - 8
GS612AW80			420 - 470	4.0	80.0	1300.0	1.0	96.0 min	6 - 8

AW: Acid washed carbon

GS612WW

Product code	Particle size distribution		Apparent density	Moisture content	CTC activity	Iodine value	Ash content	Ball pan hardness	PH value
ASTM	D 2862		D 2854	D 2867	D 3467	D 4607	D 2866	D 3802	D 3838
Unit	%		gm/cc	%	%	mg/g	%	%	Range
	+6	- 12							
GS612WW45	5.0	5.0	500 - 570	4.0	45.0	950.0	2.0	99.0 min	8 - 9
GS612WW50			500 - 570	4.0	50.0	1000.0	2.0	98.0 min	8 - 9
GS612WW55			500 - 570	4.0	55.0	1050.0	2.0	98.0 min	8 - 9
GS612WW60			500 - 570	4.0	60.0	1100.0	2.0	98.0 min	8 - 9
GS612WW65			440 - 530	4.0	65.0	1150.0	2.0	98.0 min	8 - 9
GS612WW70			440 - 530	4.0	70.0	1200.0	2.0	97.0 min	8 - 9
GS612WW75			420 - 470	4.0	75.0	1250.0	2.0	96.0 min	8 - 9
GS612WW80			420 - 470	4.0	80.0	1300.0	2.0	96.0 min	8 - 9

WW: Water washed carbon

**Note:**

Butane value may be based upon the ASTM D3467 correlation, Butane activity = CTC activity/2.55

**Material handling:**

Wet activated carbon depletes oxygen from air and, therefore dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. appropriate protective equipment should be worn. avoid inhalation of excessive carbon dust. no problems are known to be associated in handling this material. this product may contain silica. please see the product material safety Data sheet for details. long-term inhalation of high dust concentrations can lead to respiratory impairment. use forced ventilation or a dust mask when necessary for protection against airborne dust exposure.