



Technical Data sheet - GS816

ACTIVATED CARBON

GS816 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, GS816 offers excellent adsorption properties.

GS816VR

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
	+8	- 16							
GS816VR45	5.0	4.0	500 - 570	4.0	45.0	950.0	3.0	99.0 min	8.5 - 10.5
GS816VR50			500 - 570	4.0	50.0	1000.0	3.0	98.0 min	8.5 - 10.5
GS816VR55			500 - 570	4.0	55.0	1050.0	3.0	98.0 min	8.5 - 10.5
GS816VR60			500 - 570	4.0	60.0	1100.0	3.0	98.0 min	8.5 - 10.5
GS816VR65			470 - 530	4.0	65.0	1150.0	3.0	98.0 min	8.5 - 10.5
GS816VR70			470 - 530	4.0	65.0	1200.0	3.0	97.0 min	8.5 - 10.5
GS816VR75			440 - 490	4.0	75.0	1250.0	3.0	96.0 min	8.5 - 10.5
GS816VR80			440 - 490	4.0	80.0	1300.0	3.0	96.0 min	8.5 - 10.5

VR: virgin carbon

GS816AW

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
	+8	- 16							
GS816AW45	5.0	4.0	500 - 570	4.0	45.0	950.0	1.0	99.0 min	6 - 8
GS816AW50			500 - 570	4.0	50.0	1000.0	1.0	98.0 min	6 - 8
GS816AW55			500 - 570	4.0	55.0	1050.0	1.0	98.0 min	6 - 8
GS816AW60			500 - 570	4.0	60.0	1100.0	1.0	98.0 min	6 - 8
GS816AW65			470 - 530	4.0	65.0	1150.0	1.0	98.0 min	6 - 8
GS816AW70			470 - 530	4.0	65.0	1200.0	1.0	97.0 min	6 - 8
GS816AW75			440 - 490	4.0	75.0	1250.0	1.0	96.0 min	6 - 8
GS816AW80			440 - 490	4.0	80.0	1300.0	1.0	96.0 min	6 - 8

AW: Acid washed carbon



Genuine Shell Carb (P) Ltd

GS816WW

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
	+8	- 16							
GS816WW45	5.0	4.0	500 - 570	4.0	45.0	950.0	2.0	99.0 min	8 - 9
GS816WW50			500 - 570	4.0	50.0	1000.0	2.0	98.0 min	8 - 9
GS816WW55			500 - 570	4.0	55.0	1050.0	2.0	98.0 min	8 - 9
GS816WW60			500 - 570	4.0	60.0	1100.0	2.0	98.0 min	8 - 9
GS816WW65			470 - 530	4.0	65.0	1150.0	2.0	98.0 min	8 - 9
GS816WW70			470 - 530	4.0	65.0	1200.0	2.0	97.0 min	8 - 9
GS816WW75			440 - 490	4.0	75.0	1250.0	2.0	96.0 min	8 - 9
GS816WW80			440 - 490	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.