



Technical Data sheet - GS814

ACTIVATED CARBON

GS814 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, GS814 offers excellent adsorption properties.

GS814VR

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	- 14							
GS814VR45	5.0	4.0	500 - 570	4.0	45.0	950.0	3.0	99.0 min	8.5 - 10.5
GS814VR50			500 - 570	4.0	50.0	1000.0	3.0	98.0 min	8.5 - 10.5
GS814VR55			500 - 570	4.0	55.0	1050.0	3.0	98.0 min	8.5 - 10.5
GS814VR60			500 - 570	4.0	60.0	1100.0	3.0	98.0 min	8.5 - 10.5
GS814VR65			450 - 520	4.0	65.0	1150.0	3.0	98.0 min	8.5 - 10.5
GS814VR70			450 - 520	4.0	70.0	1200.0	3.0	97.0 min	8.5 - 10.5
GS814VR75			420 - 460	4.0	75.0	1250.0	3.0	96.0 min	8.5 - 10.5
GS814VR80			420 - 460	4.0	80.0	1300.0	3.0	96.0 min	8.5 - 10.5

VR: virgin carbon

GS814AW

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	- 14							
GS814AW45	5.0	4.0	500 - 570	4.0	45.0	950.0	1.0	99.0 min	6 - 8
GS814AW50			500 - 570	4.0	50.0	1000.0	1.0	98.0 min	6 - 8
GS814AW55			500 - 570	4.0	55.0	1050.0	1.0	98.0 min	6 - 8
GS814AW60			500 - 570	4.0	60.0	1100.0	1.0	98.0 min	6 - 8
GS814AW65			450 - 520	4.0	65.0	1150.0	1.0	98.0 min	6 - 8
GS814AW70			450 - 520	4.0	70.0	1200.0	1.0	97.0 min	6 - 8
GS814AW75			420 - 460	4.0	75.0	1250.0	1.0	96.0 min	6 - 8
GS814AW80			420 - 460	4.0	80.0	1300.0	1.0	96.0 min	6 - 8

AW: Acid washed carbon



Genuine Shell Carb (P) Ltd

GS814WW

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	- 14							
GS814WW45	5.0	4.0	500 - 570	4.0	45.0	950.0	2.0	99.0 min	8 - 9
GS814WW50			500 - 570	4.0	50.0	1000.0	2.0	98.0 min	8 - 9
GS814WW55			500 - 570	4.0	55.0	1050.0	2.0	98.0 min	8 - 9
GS814WW60			500 - 570	4.0	60.0	1100.0	2.0	98.0 min	8 - 9
GS814WW65			450 - 520	4.0	65.0	1150.0	2.0	98.0 min	8 - 9
GS814WW70			450 - 520	4.0	70.0	1200.0	2.0	97.0 min	8 - 9
GS814WW75			420 - 460	4.0	75.0	1250.0	2.0	96.0 min	8 - 9
GS814WW80			420 - 460	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.