



Technical Data sheet - GS830

ACTIVATED CARBON

GS830 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, GS830 offers excellent adsorption properties.

GS830VR

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	- 30							
GS830VR45	<4.0	<3.0	500 - 580	4.0	45.0	950.0	3.0	99.0 min	8.5 - 10.5
GS830VR50			500 - 580	4.0	50.0	1000.0	3.0	98.0 min	8.5 - 10.5
GS830VR55			500 - 580	4.0	55.0	1050.0	3.0	98.0 min	8.5 - 10.5
GS830VR60			500 - 580	4.0	60.0	1100.0	3.0	98.0 min	8.5 - 10.5
GS830VR65			500 - 580	4.0	65.0	1150.0	3.0	98.0 min	8.5 - 10.5
GS830VR70			450 - 550	4.0	70.0	1200.0	3.0	97.0 min	8.5 - 10.5
GS830VR75			450 - 550	4.0	75.0	1250.0	3.0	96.0 min	8.5 - 10.5
GS830VR80			450 - 550	4.0	80.0	1300.0	3.0	96.0 min	8.5 - 10.5

VR: virgin carbon

GS830AW

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	- 30							
GS830AW45	<4.0	<3.0	500 - 580	4.0	45.0	950.0	1.0	99.0 min	6 - 8
GS830AW50			500 - 580	4.0	50.0	1000.0	1.0	98.0 min	6 - 8
GS830AW55			500 - 580	4.0	55.0	1050.0	1.0	98.0 min	6 - 8
GS830AW60			500 - 580	4.0	60.0	1100.0	1.0	98.0 min	6 - 8
GS830AW65			500 - 580	4.0	65.0	1150.0	1.0	98.0 min	6 - 8
GS830AW70			450 - 550	4.0	70.0	1200.0	1.0	97.0 min	6 - 8
GS830AW75			450 - 550	4.0	75.0	1250.0	1.0	96.0 min	6 - 8
GS830AW80			450 - 550	4.0	80.0	1300.0	1.0	96.0 min	6 - 8

AW: Acid washed carbon

Genuine Shell Carb Pvt Ltd.,

SF. No.810,Samanaikan palayam,No.4 Veerapandi(Post),Press colony (Via) Coimbatore-641019 Tamilnadu-India,email id:sales@genuineshellcarb.in, web:www.genuineshellcarb.in,Telephone: 0422 2697979



Genuine Shell Carb (P) Ltd

GS830WW

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	- 30							
GS830WW45	<4.0	<3.0	500 - 580	4.0	45.0	950.0	2.0	99.0 min	8 - 9
GS830WW50			500 - 580	4.0	50.0	1000.0	2.0	98.0 min	8 - 9
GS830WW55			500 - 580	4.0	55.0	1050.0	2.0	98.0 min	8 - 9
GS830WW60			500 - 580	4.0	60.0	1100.0	2.0	98.0 min	8 - 9
GS830WW65			500 - 580	4.0	65.0	1150.0	2.0	98.0 min	8 - 9
GS830WW70			450 - 550	4.0	70.0	1200.0	2.0	97.0 min	8 - 9
GS830WW75			450 - 550	4.0	75.0	1250.0	2.0	96.0 min	8 - 9
GS830WW80			450 - 550	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.

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SF. No.810,Samanaikan palayam,No.4 Veerapandi(Post),Press colony (Via) Coimbatore-641019 Tamilnadu-India,email id:sales@genuineshellcarb.in, web:www.genuineshellcarb.in,Telephone: 0422 2697979