



Technical Data sheet - GS1435

ACTIVATED CARBON

GS1435 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, GS1435 offers excellent adsorption properties.

GS1435VR

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
	+14	- 35							
GS1435VR45	5.0	5.0	520 - 580	4.0	45.0	950.0	4.0	99.0 min	8.5 - 10.5
GS1435VR50			520 - 580	4.0	50.0	1000.0	4.0	98.0 min	8.5 - 10.5
GS1435VR55			520 - 580	4.0	55.0	1050.0	4.0	98.0 min	8.5 - 10.5
GS1435VR60			520 - 580	4.0	60.0	1100.0	4.0	98.0 min	8.5 - 10.5
GS1435VR65			520 - 580	4.0	65.0	1150.0	4.0	98.0 min	8.5 - 10.5
GS1435VR70			470 - 520	4.0	70.0	1200.0	4.0	97.0 min	8.5 - 10.5
GS1435VR75			470 - 520	4.0	75.0	1250.0	4.0	96.0 min	8.5 - 10.5
GS1435VR80			440 - 480	4.0	80.0	1300.0	4.0	96.0 min	8.5 - 10.5
GS1435VR85			440 - 480	4.0	85.0	1350.0	4.0	96.0 min	8.5 - 10.5
GS1435VR90			420 - 460	4.0	90.0	1400.0	4.0	95.0 min	8.5 - 10.5
GS1435VR100			420 - 460	4.0	100.0	1450.0	4.0	95.0 min	8.5 - 10.5

VR: virgin carbon

GS1435AW

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
	+14	- 35							
GS1435AW45	5.0	5.0	520 - 580	4.0	45.0	950.0	2.0	99.0 min	6 - 8
GS1435AW50			520 - 580	4.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS1435AW55			520 - 580	4.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS1435AW60			520 - 580	4.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS1435AW65			520 - 580	4.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS1435AW70			470 - 520	4.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS1435AW75			470 - 520	4.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS1435AW80			440 - 480	4.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS1435AW85			440 - 480	4.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS1435AW90			420 - 460	4.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS1435AW100			420 - 460	4.0	100.0	1450.0	2.0	95.0 min	6 - 8

AW: Acid washed carbon

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Genuine Shell Carb (P) Ltd

GS1435WW

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
	+14	- 35							
GS1435WW45	5.0	5.0	520 - 580	4.0	45.0	950.0	3.0	99.0 min	8 - 9
GS1435WW50			520 - 580	4.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS1435WW55			520 - 580	4.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS1435WW60			520 - 580	4.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS1435WW65			520 - 580	4.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS1435WW70			470 - 520	4.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS1435WW75			470 - 520	4.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS1435WW80			440 - 480	4.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS1435WW85			440 - 480	4.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS1435WW90			420 - 460	4.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS1435WW100			420 - 460	4.0	100.0	1450.0	3.0	95.0 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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