



Technical Data sheet - GS1440

ACTIVATED CARBON

GS1440 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, GS1440 offers excellent adsorption properties.

GS1440VR

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	- 40							
GS1440VR45	5.0	5.0	520 - 580	4.0	45.0	950.0	4.0	99.0 min	8.5 - 10.5
GS1440VR50			520 - 580	4.0	50.0	1000.0	4.0	98.0 min	8.5 - 10.5
GS1440VR55			520 - 580	4.0	55.0	1050.0	4.0	98.0 min	8.5 - 10.5
GS1440VR60			520 - 580	4.0	60.0	1100.0	4.0	98.0 min	8.5 - 10.5
GS1440VR65			470 - 530	4.0	65.0	1150.0	4.0	98.0 min	8.5 - 10.5
GS1440VR70			470 - 530	4.0	70.0	1200.0	4.0	97.0 min	8.5 - 10.5
GS1440VR75			470 - 530	4.0	75.0	1250.0	4.0	96.0 min	8.5 - 10.5
GS1440VR80			400 - 470	4.0	80.0	1300.0	4.0	96.0 min	8.5 - 10.5
GS1440VR85			400 - 470	4.0	85.0	1350.0	4.0	96.0 min	8.5 - 10.5
GS1440VR90			400 - 470	4.0	90.0	1400.0	4.0	95.0 min	8.5 - 10.5
GS1440VR100			400 - 470	4.0	100.0	1450.0	4.0	95.0 min	8.5 - 10.5

VR: virgin carbon

GS1440AW

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	- 40							
GS1440AW45	5.0	5.0	520 - 580	4.0	45.0	950.0	2.0	99.0 min	6 - 8
GS1440AW50			520 - 580	4.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS1440AW55			520 - 580	4.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS1440AW60			520 - 580	4.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS1440AW65			470 - 530	4.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS1440AW70			470 - 530	4.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS1440AW75			470 - 530	4.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS1440AW80			400 - 470	4.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS1440AW85			400 - 470	4.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS1440AW90			400 - 470	4.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS1440AW100			400 - 470	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

GS1440WW

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	- 40							
GS1440WW45	5.0	5.0	520 - 580	4.0	45.0	950.0	3.0	99.0 min	8 - 9
GS1440WW50			520 - 580	4.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS1440WW55			520 - 580	4.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS1440WW60			520 - 580	4.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS1440WW65			470 - 530	4.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS1440WW70			470 - 530	4.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS1440WW75			470 - 530	4.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS1440WW80			400 - 470	4.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS1440WW85			400 - 470	4.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS1440WW90			400 - 470	4.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS1440WW100			400 - 470	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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