



## Technical Data sheet - GS1840

### ACTIVATED CARBON

GS1840 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, GS1840 offers excellent adsorption properties.

#### GS1840VR

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
	+18	- 40							
GS1840VR45	5.0	5.0	500 - 570	5.0	45.0	950.0	5.0	99.0 min	8.5 - 10.5
GS1840VR50			500 - 570	5.0	50.0	1000.0	5.0	98.0 min	8.5 - 10.5
GS1840VR55			500 - 570	5.0	55.0	1050.0	5.0	98.0 min	8.5 - 10.5
GS1840VR60			500 - 570	5.0	60.0	1100.0	5.0	98.0 min	8.5 - 10.5
GS1840VR65			470 - 530	5.0	65.0	1150.0	5.0	98.0 min	8.5 - 10.5
GS1840VR70			450 - 520	5.0	70.0	1200.0	5.0	97.0 min	8.5 - 10.5
GS1840VR75			450 - 520	5.0	75.0	1250.0	5.0	96.0 min	8.5 - 10.5
GS1840VR80			420 - 480	5.0	80.0	1300.0	5.0	96.0 min	8.5 - 10.5
GS1840VR85			420 - 480	5.0	85.0	1350.0	5.0	96.0 min	8.5 - 10.5
GS1840VR90			420 - 480	5.0	90.0	1400.0	5.0	95.0 min	8.5 - 10.5
GS1840VR100			420 - 480	5.0	100.0	1450.0	5.0	95.0 min	8.5 - 10.5

VR: virgin carbon

#### GS1840AW

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
	+18	- 40							
GS1840AW45	5.0	5.0	500 - 570	5.0	45.0	950.0	2.0	99.0 min	6 - 8
GS1840AW50			500 - 570	5.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS1840AW55			500 - 570	5.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS1840AW60			500 - 570	5.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS1840AW65			470 - 530	5.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS1840AW70			450 - 520	5.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS1840AW75			450 - 520	5.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS1840AW80			420 - 480	5.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS1840AW85			420 - 480	5.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS1840AW90			420 - 480	5.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS1840AW100			420 - 480	5.0	100.0	1450.0	2.0	95.0 min	6 - 8

AW: Acid washed carbon



## GS1840WW

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
	+18	- 40							
GS1840WW45	5.0	5.0	500 - 570	5.0	45.0	950.0	3.0	99.0 min	8 - 9
GS1840WW50			500 - 570	5.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS1840WW55			500 - 570	5.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS1840WW60			500 - 570	5.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS1840WW65			470 - 530	5.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS1840WW70			450 - 520	5.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS1840WW75			450 - 520	5.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS1840WW80			420 - 480	5.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS1840WW85			420 - 480	5.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS1840WW90			420 - 480	5.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS1840WW100			420 - 480	5.0	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.