



Technical Data sheet - GS2050

ACTIVATED CARBON

GS2050 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, GS2050 offers excellent adsorption properties.

GS2050VR

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
	+20	- 50							
GS2050VR45	5.0	5.0	520 - 580	5.0	45.0	950.0	5.0	99.0 min	8.5 - 10.5
GS2050VR50			520 - 580	5.0	50.0	1000.0	5.0	98.0 min	8.5 - 10.5
GS2050VR55			520 - 580	5.0	55.0	1050.0	5.0	98.0 min	8.5 - 10.5
GS2050VR60			520 - 580	5.0	60.0	1100.0	5.0	98.0 min	8.5 - 10.5
GS2050VR65			520 - 580	5.0	65.0	1150.0	5.0	98.0 min	8.5 - 10.5
GS2050VR70			440 - 520	5.0	70.0	1200.0	5.0	97.0 min	8.5 - 10.5
GS2050VR75			440 - 520	5.0	75.0	1250.0	5.0	96.0 min	8.5 - 10.5
GS2050VR80			440 - 520	5.0	80.0	1300.0	5.0	96.0 min	8.5 - 10.5
GS2050VR85			400 - 470	5.0	85.0	1350.0	5.0	96.0 min	8.5 - 10.5
GS2050VR90			400 - 470	5.0	90.0	1400.0	5.0	95.0 min	8.5 - 10.5
GS2050VR100			400 - 470	5.0	100.0	1450.0	5.0	95.0 min	8.5 - 10.5

VR: virgin carbon

GS2050AW

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
	+20	- 50							
GS2050AW45	5.0	5.0	520 - 580	5.0	45.0	950.0	2.0	99.0 min	6 - 8
GS2050AW50			520 - 580	5.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS2050AW55			520 - 580	5.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS2050AW60			520 - 580	5.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS2050AW65			520 - 580	5.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS2050AW70			440 - 520	5.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS2050AW75			440 - 520	5.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS2050AW80			440 - 520	5.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS2050AW85			400 - 470	5.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS2050AW90			400 - 470	5.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS2050AW100			400 - 470	5.0	100.0	1450.0	2.0	95.0 min	6 - 8

AW: Acid washed carbon



GS2050WW

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
	+20	- 50							
GS2050WW45	5.0	5.0	520 - 580	5.0	45.0	950.0	3.0	99.0 min	8 - 9
GS2050WW50			520 - 580	5.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS2050WW55			520 - 580	5.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS2050WW60			520 - 580	5.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS2050WW65			520 - 580	5.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS2050WW70			440 - 520	5.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS2050WW75			440 - 520	5.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS2050WW80			440 - 520	5.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS2050WW85			400 - 470	5.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS2050WW90			400 - 470	5.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS2050WW100			400 - 470	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 airborn dust exposure.