



Technical Data sheet - GS3050

ACTIVATED CARBON

GS3050 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, GS3050 offers excellent adsorption properties.

GS3050VR

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
	+30	- 50							
GS3050VR45	5.0	5.0	520 - 590	5.0	45.0	950.0	5.0	99.0 min	8.5 - 10.5
GS3050VR50			520 - 590	5.0	50.0	1000.0	5.0	98.0 min	8.5 - 10.5
GS3050VR55			520 - 590	5.0	55.0	1050.0	5.0	98.0 min	8.5 - 10.5
GS3050VR60			520 - 590	5.0	60.0	1100.0	5.0	98.0 min	8.5 - 10.5
GS3050VR65			470 - 550	5.0	65.0	1150.0	5.0	98.0 min	8.5 - 10.5
GS3050VR70			470 - 550	5.0	70.0	1200.0	5.0	97.0 min	8.5 - 10.5
GS3050VR75			420 - 520	5.0	75.0	1250.0	5.0	96.0 min	8.5 - 10.5
GS3050VR80			420 - 520	5.0	80.0	1300.0	5.0	96.0 min	8.5 - 10.5
GS3050VR85			420 - 520	5.0	85.0	1350.0	5.0	96.0 min	8.5 - 10.5
GS3050VR90			420 - 520	5.0	90.0	1400.0	5.0	95.0 min	8.5 - 10.5
GS3050VR100			420 - 520	5.0	100.0	1450.0	5.0	95.0 min	8.5 - 10.5

VR: virgin carbon

GS3050AW

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
	+30	- 50							
GS3050AW45	5.0	5.0	520 - 590	5.0	45.0	950.0	2.0	99.0 min	6 - 8
GS3050AW50			520 - 590	5.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS3050AW55			520 - 590	5.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS3050AW60			520 - 590	5.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS3050AW65			470 - 550	5.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS3050AW70			470 - 550	5.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS3050AW75			420 - 520	5.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS3050AW80			420 - 520	5.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS3050AW85			420 - 520	5.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS3050AW90			420 - 520	5.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS3050AW100			420 - 520	5.0	100.0	1450.0	2.0	95.0 min	6 - 8

AW: Acid washed carbon



GS3050WW

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
	+30	- 50							
GS3050WW45	5.0	5.0	520 - 590	5.0	45.0	950.0	3.0	99.0 min	8 - 9
GS3050WW50			520 - 590	5.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS3050WW55			520 - 590	5.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS3050WW60			520 - 590	5.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS3050WW65			470 - 550	5.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS3050WW70			470 - 550	5.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS3050WW75			420 - 520	5.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS3050WW80			420 - 520	5.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS3050WW85			420 - 520	5.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS3050WW90			420 - 520	5.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS3050WW100			420 - 520	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.