



Technical Data sheet - GS2070

ACTIVATED CARBON

GS2070 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, GS2070 offers excellent adsorption properties.

GS2070VR

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	- 70							
GS2070VR45	5.0	5.0	520 - 580	5.0	45.0	950.0	5.0	99.0 min	8.5 - 10.5
GS2070VR50			520 - 580	5.0	50.0	1000.0	5.0	98.0 min	8.5 - 10.5
GS2070VR55			520 - 580	5.0	55.0	1050.0	5.0	98.0 min	8.5 - 10.5
GS2070VR60			520 - 580	5.0	60.0	1100.0	5.0	98.0 min	8.5 - 10.5
GS2070VR65			450 - 540	5.0	65.0	1150.0	5.0	98.0 min	8.5 - 10.5
GS2070VR70			450 - 540	5.0	70.0	1200.0	5.0	97.0 min	8.5 - 10.5
GS2070VR75			450 - 540	5.0	75.0	1250.0	5.0	96.0 min	8.5 - 10.5
GS2070VR80			420 - 480	5.0	80.0	1300.0	5.0	96.0 min	8.5 - 10.5
GS2070VR85			420 - 480	5.0	85.0	1350.0	5.0	96.0 min	8.5 - 10.5
GS2070VR90			420 - 480	5.0	90.0	1400.0	5.0	95.0 min	8.5 - 10.5
GS2070VR100			420 - 480	5.0	100.0	1450.0	5.0	95.0 min	8.5 - 10.5

VR: virgin carbon

GS2070AW

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	- 70							
GS2070AW45	5.0	5.0	520 - 580	5.0	45.0	950.0	2.0	99.0 min	6 - 8
GS2070AW50			520 - 580	5.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS2070AW55			520 - 580	5.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS2070AW60			520 - 580	5.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS2070AW65			450 - 540	5.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS2070AW70			450 - 540	5.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS2070AW75			450 - 540	5.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS2070AW80			420 - 480	5.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS2070AW85			420 - 480	5.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS2070AW90			420 - 480	5.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS2070AW100			420 - 480	5.0	100.0	1450.0	2.0	95.0 min	6 - 8

AW: Acid washed carbon



GS2070WW

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	- 70							
GS2070WW45	5.0	5.0	520 - 580	5.0	45.0	950.0	3.0	99.0 min	8 - 9
GS2070WW50			520 - 580	5.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS2070WW55			520 - 580	5.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS2070WW60			520 - 580	5.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS2070WW65			450 - 540	5.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS2070WW70			450 - 540	5.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS2070WW75			450 - 540	5.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS2070WW80			420 - 480	5.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS2070WW85			420 - 480	5.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS2070WW90			420 - 480	5.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS2070WW100			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.