



## Technical Data sheet - GS2040

### ACTIVATED CARBON

GS2040 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, GS2040 offers excellent adsorption properties.

#### GS2040VR

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	- 40							
GS2040VR45	5.0	5.0	520 - 580	5.0	45.0	950.0	5.0	99.0 min	8.5 - 10.5
GS2040VR50			520 - 580	5.0	50.0	1000.0	5.0	98.0 min	8.5 - 10.5
GS2040VR55			520 - 580	5.0	55.0	1050.0	5.0	98.0 min	8.5 - 10.5
GS2040VR60			520 - 580	5.0	60.0	1100.0	5.0	98.0 min	8.5 - 10.5
GS2040VR65			470 - 540	5.0	65.0	1150.0	5.0	98.0 min	8.5 - 10.5
GS2040VR70			440 - 530	5.0	70.0	1200.0	5.0	97.0 min	8.5 - 10.5
GS2040VR75			440 - 530	5.0	75.0	1250.0	5.0	96.0 min	8.5 - 10.5
GS2040VR80			440 - 530	5.0	80.0	1300.0	5.0	96.0 min	8.5 - 10.5
GS2040VR85			420 - 470	5.0	85.0	1350.0	5.0	96.0 min	8.5 - 10.5
GS2040VR90			420 - 470	5.0	90.0	1400.0	5.0	95.0 min	8.5 - 10.5
GS2040VR100			420 - 470	5.0	100.0	1450.0	5.0	95.0 min	8.5 - 10.5

VR: virgin carbon

#### GS2040AW

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	- 40							
GS2040AW45	5.0	5.0	520 - 580	5.0	45.0	950.0	2.0	99.0 min	6 - 8
GS2040AW50			520 - 580	5.0	50.0	1000.0	2.0	98.0 min	6 - 8
GS2040AW55			520 - 580	5.0	55.0	1050.0	2.0	98.0 min	6 - 8
GS2040AW60			520 - 580	5.0	60.0	1100.0	2.0	98.0 min	6 - 8
GS2040AW65			470 - 540	5.0	65.0	1150.0	2.0	98.0 min	6 - 8
GS2040AW70			440 - 530	5.0	70.0	1200.0	2.0	97.0 min	6 - 8
GS2040AW75			440 - 530	5.0	75.0	1250.0	2.0	96.0 min	6 - 8
GS2040AW80			440 - 530	5.0	80.0	1300.0	2.0	96.0 min	6 - 8
GS2040AW85			420 - 470	5.0	85.0	1350.0	2.0	96.0 min	6 - 8
GS2040AW90			420 - 470	5.0	90.0	1400.0	2.0	95.0 min	6 - 8
GS2040AW100			420 - 470	5.0	100.0	1450.0	2.0	95.0 min	6 - 8

AW: Acid washed carbon



# Genuine Shell Carb (P) Ltd

## GS2040WW

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	- 40							
GS2040WW45	5.0	5.0	520 - 580	5.0	45.0	950.0	3.0	99.0 min	8 - 9
GS2040WW50			520 - 580	5.0	50.0	1000.0	3.0	98.0 min	8 - 9
GS2040WW55			520 - 580	5.0	55.0	1050.0	3.0	98.0 min	8 - 9
GS2040WW60			520 - 580	5.0	60.0	1100.0	3.0	98.0 min	8 - 9
GS2040WW65			470 - 540	5.0	65.0	1150.0	3.0	98.0 min	8 - 9
GS2040WW70			440 - 530	5.0	70.0	1200.0	3.0	97.0 min	8 - 9
GS2040WW75			440 - 530	5.0	75.0	1250.0	3.0	96.0 min	8 - 9
GS2040WW80			440 - 530	5.0	80.0	1300.0	3.0	96.0 min	8 - 9
GS2040WW85			420 - 470	5.0	85.0	1350.0	3.0	96.0 min	8 - 9
GS2040WW90			420 - 470	5.0	90.0	1400.0	3.0	95.0 min	8 - 9
GS2040WW100			420 - 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 airborne dust exposure.