



Technical Data sheet - GS1230

ACTIVATED CARBON

GS1230 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, GS1230 offers excellent adsorption properties.

GS1230VR

| 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 |
| | +12 | - 30 | | | | | | | |
| GS1230VR45 | 5.0 | 5.0 | 550 - 580 | 4.0 | 45.0 | 950.0 | 3.0 | 99.0 min | 8.5 - 10.5 |
| GS1230VR50 | | | 550 - 580 | 4.0 | 50.0 | 1000.0 | 3.0 | 98.0 min | 8.5 - 10.5 |
| GS1230VR55 | | | 550 - 580 | 4.0 | 55.0 | 1050.0 | 3.0 | 98.0 min | 8.5 - 10.5 |
| GS1230VR60 | | | 550 - 580 | 4.0 | 60.0 | 1100.0 | 3.0 | 98.0 min | 8.5 - 10.5 |
| GS1230VR65 | | | 550 - 580 | 4.0 | 65.0 | 1150.0 | 3.0 | 98.0 min | 8.5 - 10.5 |
| GS1230VR70 | | | 470 - 530 | 4.0 | 70.0 | 1200.0 | 3.0 | 97.0 min | 8.5 - 10.5 |
| GS1230VR75 | | | 430 - 500 | 4.0 | 75.0 | 1250.0 | 3.0 | 96.0 min | 8.5 - 10.5 |
| GS1230VR80 | | | 430 - 500 | 4.0 | 80.0 | 1300.0 | 3.0 | 96.0 min | 8.5 - 10.5 |
| GS1230VR85 | | | 400 - 450 | 4.0 | 85.0 | 1350.0 | 3.0 | 96.0 min | 8.5 - 10.5 |
| GS1230VR90 | | | 400 - 450 | 4.0 | 90.0 | 1400.0 | 3.0 | 95.0 min | 8.5 - 10.5 |
| GS1230VR100 | | | 400 - 450 | 4.0 | 100.0 | 1450.0 | 3.0 | 95.0 min | 8.5 - 10.5 |

VR: virgin carbon

GS1230AW

| 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 |
| | +12 | - 30 | | | | | | | |
| GS1230AW45 | 5.0 | 5.0 | 550 - 580 | 4.0 | 45.0 | 950.0 | 1.0 | 99.0 min | 6 - 8 |
| GS1230AW50 | | | 550 - 580 | 4.0 | 50.0 | 1000.0 | 1.0 | 98.0 min | 6 - 8 |
| GS1230AW55 | | | 550 - 580 | 4.0 | 55.0 | 1050.0 | 1.0 | 98.0 min | 6 - 8 |
| GS1230AW60 | | | 550 - 580 | 4.0 | 60.0 | 1100.0 | 1.0 | 98.0 min | 6 - 8 |
| GS1230AW65 | | | 550 - 580 | 4.0 | 65.0 | 1150.0 | 1.0 | 98.0 min | 6 - 8 |
| GS1230AW70 | | | 470 - 530 | 4.0 | 70.0 | 1200.0 | 1.0 | 97.0 min | 6 - 8 |
| GS1230AW75 | | | 430 - 500 | 4.0 | 75.0 | 1250.0 | 1.0 | 96.0 min | 6 - 8 |
| GS1230AW80 | | | 430 - 500 | 4.0 | 80.0 | 1300.0 | 1.0 | 96.0 min | 6 - 8 |
| GS1230AW85 | | | 400 - 450 | 4.0 | 85.0 | 1350.0 | 1.0 | 96.0 min | 6 - 8 |
| GS1230AW90 | | | 400 - 450 | 4.0 | 90.0 | 1400.0 | 1.0 | 95.0 min | 6 - 8 |
| GS1230AW100 | | | 400 - 450 | 4.0 | 100.0 | 1450.0 | 1.0 | 95.0 min | 6 - 8 |

AW: Acid washed carbon

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GS1230WW

| 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 |
| | +12 | - 30 | | | | | | | |
| GS1230WW45 | 5.0 | 5.0 | 550 - 580 | 4.0 | 45.0 | 950.0 | 2.0 | 99.0 min | 8 - 9 |
| GS1230WW50 | | | 550 - 580 | 4.0 | 50.0 | 1000.0 | 2.0 | 98.0 min | 8 - 9 |
| GS1230WW55 | | | 550 - 580 | 4.0 | 55.0 | 1050.0 | 2.0 | 98.0 min | 8 - 9 |
| GS1230WW60 | | | 550 - 580 | 4.0 | 60.0 | 1100.0 | 2.0 | 98.0 min | 8 - 9 |
| GS1230WW65 | | | 550 - 580 | 4.0 | 65.0 | 1150.0 | 2.0 | 98.0 min | 8 - 9 |
| GS1230WW70 | | | 470 - 530 | 4.0 | 70.0 | 1200.0 | 2.0 | 97.0 min | 8 - 9 |
| GS1230WW75 | | | 430 - 500 | 4.0 | 75.0 | 1250.0 | 2.0 | 96.0 min | 8 - 9 |
| GS1230WW80 | | | 430 - 500 | 4.0 | 80.0 | 1300.0 | 2.0 | 96.0 min | 8 - 9 |
| GS1230WW85 | | | 400 - 450 | 4.0 | 85.0 | 1350.0 | 2.0 | 96.0 min | 8 - 9 |
| GS1230WW90 | | | 400 - 450 | 4.0 | 90.0 | 1400.0 | 2.0 | 95.0 min | 8 - 9 |
| GS1230WW100 | | | 400 - 450 | 4.0 | 100.0 | 1450.0 | 2.0 | 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 deplets 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.