Genuine Shell Carb (P) Ltd

Technical Data sheet - GS612GLD

ACTIVATED CARBON

GS612GLD is a granuler shaped, activated carbon manufactured by the steam activation process based on coconut shell charcoal. The very high hardness and uniform particle shape result in low carbon attrition and associated low gold losses. GS612GLD has a high gold adsorption capacity and gold adsorption kinetic activity. this remains high throughout the entire gold recovery circuit due to a low susceptibility to fouling.

GS612GLD

Material Code	Particle size distribution		Apparent density	Moisture content	CTC activity	Iodine value	Ash content	Ball pan hardness	Platelet content	loss on attrition	K - value	R - value	PH value
ASTM	D 2862		D 2854	D 2867	D 3467	D 4607	D 2866	D 3802	AARL	D 5159			D 3838
Unit	%		gm/cc	%	%	mg/g	%	%	%	%	KG/tonn	%	Range
	+6	- 12											
GS612GLD45	5.0 max	3.0 max	500 - 580	4.0	45.0	950.0	3.0	99.0 min	4.0	2.0	23.0	48.0	8.5 - 10.5
GS612GLD50			500 - 580	4.0	50.0	1000.0	3.0	98.0 min	4.0	2.0	25.0	50.0	8.5 - 10.5
GS612GLD55			490 - 580	4.0	55.0	1050.0	3.0	98.0 min	4.0	2.0	27.0	55.0	8.5 - 10.5
GS612GLD60			490 - 580	4.0	60.0	1100.0	3.0	98.0 min	4.0	2.0	28.0	58.0	8.5 - 10.5

GLD: gold adsorption 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. appropirate 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.