



# TIGG KSS

Impregnated Vapor Phase  
Activated Carbon for H<sub>2</sub>S Removal

## DESCRIPTION

TIGG KSS is a high activity coal based activated carbon, which is impregnated to enhance its properties for removing compounds not typically removed by regular activated carbons. The extensive surface area permits optimum distribution of the impregnated reagent, for maximum reaction rate and full stoichiometric utilization. The finished product retains sufficient unimpregnated surface area to function as an effective adsorbent, in addition to its primary chemisorption role, thus allowing removal of a wide variety of organic contaminants.

TYPICAL PROPERTIES	4 mm pellet	TIGG KSS 4 x 8
U.S Sieve, 90 wt% min	4 mm pellet	4 x 8
Iodine Number, mg/g	1000	1000
Apparent Density, (dense packing)		
g/cc	0.54 – 0.56	0.54 – 0.56
lbs/ft <sup>3</sup>	32 - 35	34 - 35
Moisture – wt% max (as packaged)	15	15
CCl <sub>4</sub> Number, min	60	60
Hydrogen sulfide breakthrough		
- g H <sub>2</sub> S/cc carbon	.14 (min)	.14 (min)

## TYPICAL APPLICATIONS

TIGG KSS activated carbon is recommended for applications where hydrogen sulfide, hydrogen chloride and low molecular weight mercaptans or other acid gases need to be removed from the gas stream.

Standard packaging of the activated carbon is in 1100 pound supersacks.

Wet drained activated carbon adsorbs oxygen from the air. Therefore, when workers need to enter a vessel containing wet activated carbon, they should follow confined space/low oxygen level procedures. Activated carbon dust does not present an explosion hazard.