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TIGG HP

Ammonia & Amine Removal Activated Carbon

DESCRIPTION

TIGG HP is a high activity coal based activated carbon which is specially impregnated to remove ammonia from air. 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 reduction of a wide variety of organic contaminants.

TYPICAL PROPERTIES	TIGG HP
U.S Sieve, 90 wt% min	4 x 10
Iodine Number, mg/g	1000
Apparent Density, (dense packing)	
g/cc	0.54 – 0.56
lbs/ft ³	35 - 35
Moisture – wt% max (as packaged)	15
CCl ₄ Number, min	1000

TYPICAL APPLICATIONS

TIGG HP activated carbon is recommended for applications where ammonia (1-100ppmv) and low molecular weight amines need to be removed from the gas stream.

Standard packaging of the activated carbon is in 250 pound drums.

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.