



TIGG AMINE TREAT

Virgin Liquid Phase Coal Based Activated Carbon

DESCRIPTION

TIGG AMINE TREAT is a granular activated carbon made from selected grades of bituminous coal and is used to treat amine and glycol streams. This activated carbon will remove the degradation products which form in amine streams and which cause a multitude of problems.

TYPICAL PROPERTIES

U.S Sieve, 90 wt% min	8 x 30
Iodine Number, mg/g, min	1000
Apparent Density, (dense packing)	
g/cc	0.43 – 0.48
lbs/ft ³	27 – 30
Moisture - wt% max (as packaged)	3
Hardness No. - min	95
Abrasion No. - min	80

OPERATIONAL BENEFITS

The use of this activated carbon to treat a 10-20% slipstream of the cold lean amine or glycol stream provides the following benefits:

- Reduced foaming and thus less carryover in the absorber and stripper
- Decreased amine makeup
- Increased amine scrubbing efficiency
- Decreased absorber corrosion
- Decreased lost production time
- Decreased energy requirements in reboiler due to lower circulation rates

Standard packaging of the activated carbon is in 55 pound bags or 1100 pound supersaks.

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.

