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**TIGG MRM**  
Metals Removal Media

## DESCRIPTION

TIGG MRM is a unique carbonaceous adsorbent manufactured in high temperature kilns, similar to activated carbons. This product is used in liquid phase applications. The product is made up of carbon and hydroxyapatite resulting in a distinctive surface which adsorbs organic molecules and sorbs many inorganic ions through several potential mechanisms. Metals removal with this product results in a waste where the metals remain bound and will pass leaching tests. This product is superior for applications where high hardness would render cation exchange resins economically unattractive.

TYPICAL PROPERTIES	TIGG MRM
Sieve size, (Tyler)	20 x 60
Carbon - wt %	8 - 11
Acid insoluble ash - wt % max	3
Apparent Density, (dense packing)	
g/cc	0.55 – 0.70
lbs/ft <sup>3</sup>	34 - 44
Moisture – wt% max (as packaged)	5
Pore volume - cc/g	0.255

## TYPICAL APPLICATIONS

This media can be used to remove:

- Color from water and process streams
- Some heavy metals such as lead, copper, nickel from water
- Turbidity, taste and odor from potable water

Standard packaging is in 55 lb bags or 2200 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.*