



Technical Data Sheet

W5

Neutral Bleaching Clay

W5 is a neutral bleaching clay specialized for the removal of heavy metals. While most sorbents will remove heavy metals, the acids involved in the activation process could cause desorption. By neutralizing the clay processors can take advantage of the increased surface area without any risk of desorption.

pH:	7
Free Moisture:	8%
Tamped Density:	710g/l
Particle Size:	50um(85%)

Performance Features

- Fast filtering and less pressure build up at the end of cycle
- Removal of soaps and phospholipids
- Neutralized to prevent metal desorption
- Low Moisture

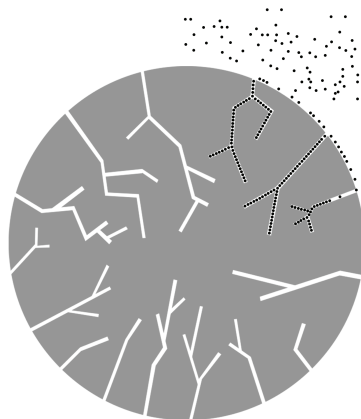
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Recommended Use

Biomass	Recommended Spool Size	Amount
1lb	2" x 6"	75g
5lb	3" x 8"	375g
10lb	4" x 8"	750g
20lb	6" x 10"	1,500g
50lb	8" x 10"	3,750g

HEAVY METAL REMEDIATION



Acid activated bleaching clays are treated with inorganic acids to leach out ferric, ferrous, aluminium, and magnesium cations, thus altering the smectite layers and increasing the specific surface area and porosity. This creates small channels for the clay to adsorb metals from the oil. In cases where the metal contamination is high, acid activated clays can desorb or potentially fail to remove all the contaminants due to its acidity. Neutral clays are the best option in this case where the clay is activated to increase its surface area and then neutralized to maximize metal adsorption and prevent desorption.

Note: The properties outlined above represent typical values for this product. They are not designed to convey absolute product specifications. The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. Chem Tek makes no warranty, express or implied, with respect to the product and assumes no responsibility for any risk or liability arising from the use of this product information

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