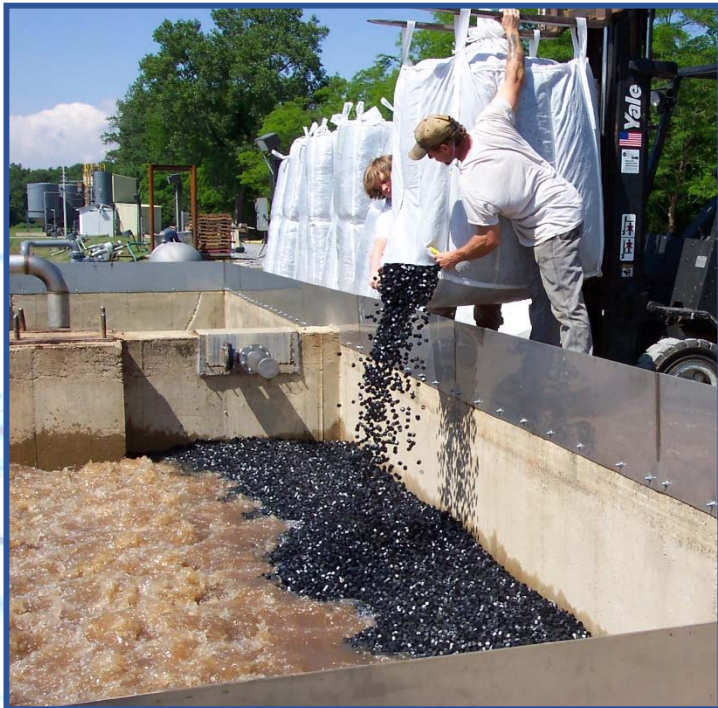
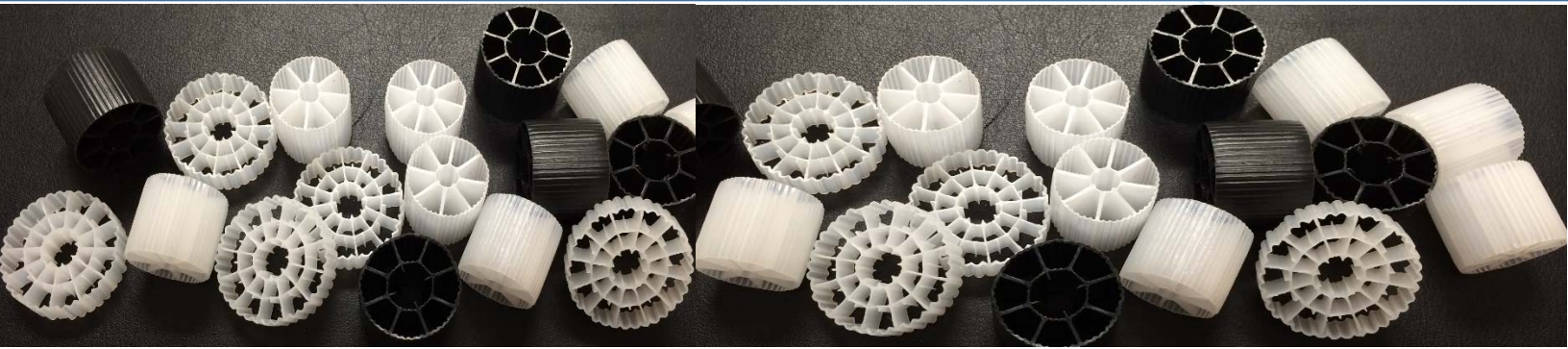


bioFAS™ B-700 Biomass Carriers



bioFAS™ B-700 Media

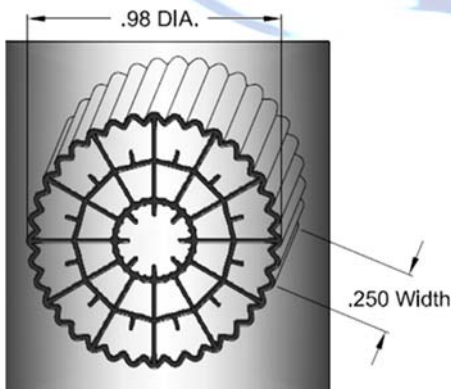
The bioFAS™ B-700 MBBR media is used for application in moving bed biofilm reactor (MBBR) systems for the provision of a self-sloughing, auto-regulating attached growth biofilm treatment process. The carriers can be used for upgrading an existing extended aeration system, a single pass MBBR treatment process or they can increase the effective capacity of existing activated sludge systems as an Integrated Fixed-film Activated Sludge (IFAS) process.

Process Applications include:

- BOD Reduction
- Nitrification of Ammonia
- Denitrification

The biofilm carriers can be loaded into complete mixed bioreactors at a minimum fill ratio of 25% v/v to the overall working volume of the tank. Future expansion of bioFAS™ MBBR capacity can be achieved by addition biomass carriers up to 75% v/v and increasing the air supply.

The bioFAS™ B-700 Biofilm Carriers are supplied in 1 m³ super sacks and shipped on pallets for ease of transportation. The carriers can be loaded into basins and tanks via a fork truck or a crane.



bioFAS™ B-700 Biofilm Carrier	SI Units	US Units
Nominal Diameter	24.89 mm	0.98 inches
Nominal Length	6.35 mm	0.25 inches
Specific Gravity	0.95 – 0.97	
Internal Protected Surface Area	615 m ² /m ³	187 ft ² /ft ³
Active Surface Area	700 m ² /m ³	
Materials of Construction	High Density Polyethylene (HDPE)	