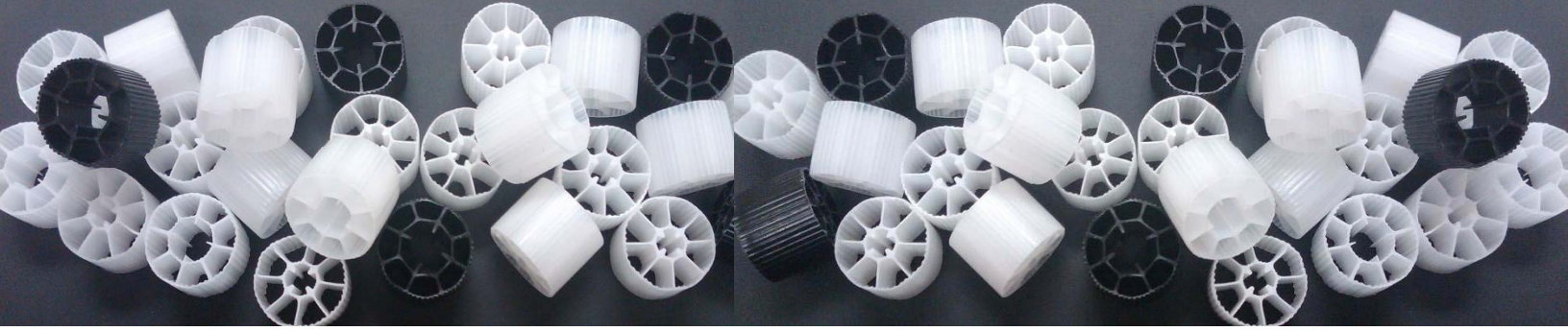


# bioFAS™ MBBR Biomass Carriers



## BioFAS™ B-585 Biomass Carriers

The bioFAS™ B-585 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 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-585 Biofilm Carriers are supplied in 1 m<sup>3</sup> 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-585 Biofilm Carrier	SI Units	US Units
Nominal Diameter	17.5 mm	0.69 inches
Nominal Length	14 mm	0.55 inches
Specific Gravity	0.96 - 0.97	
Active Surface Area	585 m <sup>2</sup> /m <sup>3</sup>	179 ft <sup>2</sup> /ft <sup>3</sup>
Internal Protected surface Area	515m <sup>2</sup> /m <sup>3</sup>	158 ft <sup>2</sup> /ft <sup>3</sup>
Materials of Construction	High Density Polyethylene (HDPE)	